

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE MEDICINAL PRODUCT

Linamide 25 Capsule

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Not provided in the source SmPC.

3. PHARMACEUTICAL FORM

Capsule BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Multiple myeloma Lenalidomide as monotherapy is indicated for the maintenance treatment of adult patients with newly diagnosed multiple myeloma who have undergone autologous stem cell transplantation. Lenalidomide as combination therapy with dexamethasone, or bortezomib and dexamethasone, or melphalan and prednisone is indicated for the treatment of adult patients with previously untreated multiple myeloma who are not eligible for transplant. Lenalidomide in combination with dexamethasone is indicated for the treatment of multiple myeloma in adult patients who have received at least one prior therapy. Myelodysplastic syndromes Lenalidomide as monotherapy is indicated for the treatment of adult patients with transfusion-dependent anaemia due to low- or intermediate-1-risk myelodysplastic syndromes associated with an isolated deletion 5q cytogenetic abnormality when other therapeutic options are insufficient or

inadequate. Mantle cell lymphoma Lenalidomide as monotherapy is indicated for the treatment

of adult patients with relapsed or refractory mantle cell lymphoma. Follicular lymphoma Lenalidomide in combination with rituximab (anti-CD20 antibody) is indicated for the treatment of adult patients with previously treated follicular lymphoma (Grade 1 – 3a).

4.2 Posology and method of administration

Lenalidomide treatment should be supervised by a physician experienced in the use of anticancer therapies.

For all indications described below:

□ Dose is modified based upon clinical and laboratory findings. □ Dose adjustments, during treatment and restart of treatment, are recommended to manage Grade 3 or 4 thrombocytopenia, neutropenia, or other Grade 3 or 4 toxicity judged to be related to lenalidomide. □ In case of neutropenia, the use of growth factors in patient management should be considered. □ If less than 12 hours has elapsed since missing a dose, the patient can take the dose. If more than 12 hours has elapsed since missing a dose at the normal time, the patient should not take the dose, but take the next dose at the normal time on the following day. Posology Newly diagnosed multiple myeloma (NDMM) □ Lenalidomide in combination with dexamethasone until disease progression in patients who are not eligible for transplant Lenalidomide treatment must not be started if the ANC is <

1.0 x 10⁹ /L, and/or platelet counts are < 50 x 10⁹ /L. Recommended dose **The**

recommended starting dose of lenalidomide is 25 mg orally once daily on days 1 to 21 of repeated 28-day cycles. The recommended dose of dexamethasone is 40 mg orally once BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg daily on days 1, 8, 15 and 22 of repeated 28-day cycles. Patients may continue lenalidomide and dexamethasone therapy until disease progression or intolerance. □ Dose reduction steps Lenalidomidea Dexamethasonea Starting dose 25 mg 40 mg Dose level -1 20 mg 20 mg Dose level -2 15 mg 12 mg Dose level -3 10 mg 8 mg Dose level- 4 5 mg 4 mg Dose level -5 2.5 mg Not applicable ^a Dose reduction for both products can be managed independently □ Thrombocytopenia When platelets Recommended course Falls to < 25 x 10⁹ /L Stop lenalidomide dosing for remainder of cycle^a Returns to ≥ 50 x 10⁹ /L Decrease by one dose level when dosing resumed at next cycle ^a If Dose limiting toxicity (DLT) occurs on > day15 of a cycle, lenalidomide dosing will be interrupted for at least the remainder

of the current 28- day cycle. □ Absolute neutrophil count (ANC) - neutropenia When ANC Recommended course First falls to $< 0.5 \times 10^9 /L$ Interrupt lenalidomide treatment Returns to $\geq 1 \times 10^9 /L$ when neutropenia Resume lenalidomide at starting dose once is the only observed toxicity daily Returns to $\geq 0.5 \times 10^9 /L$ when dose- Resume lenalidomide at dose level -1 once dependent haematological toxicities other daily than neutropenia are observed Interrupt lenalidomide treatment Returns to $\geq$ For each subsequent drop below $< 0.5 \times 0.5 \times 10^9 /L$ Resume lenalidomide at next $10^9 /L$ lower dose level once daily. a At the physician's discretion, if neutropenia is the only toxicity at any dose level, add granulocyte colony stimulating factor (G-CSF) and maintain the dose level of lenalidomide. For hematologic toxicity the dose of lenalidomide may be re-introduced to the next higher dose level (up to the starting dose) upon improvement in bone marrow function (no hematologic toxicity for at least 2 consecutive cycles: ANC $\geq 1.5 \times 10^9 /L$ with a platelet count $\geq 100 \times 10^9 /L$ at the beginning of a new cycle). BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg □ Lenalidomide in combination with bortezomib and dexamethasone followed by lenalidomide and dexamethasone until disease progression in patients who are not eligible for transplant Initial treatment: Lenalidomide in combination with bortezomib and dexamethasone Lenalidomide in combination with bortezomib and dexamethasone must not be started if the ANC is $< 1.0 \times 10^9 /L$, and/or platelet counts are $< 50 \times 10^9 /L$. The recommended starting dose is lenalidomide 25 mg orally once daily days 1-14 of each 21day cycle in combination with bortezomib and dexamethasone. Bortezomib should be administered via subcutaneous injection (1.3 mg/m² body surface area) twice weekly on days 1, 4, 8 and 11 of each 21-day. For additional information on the dose, schedule and dose adjustments of medicinal products administered with lenalidomide and the corresponding . Up to eight 21-day treatment cycles (24 weeks of initial treatment) are recommended. Continued treatment: Lenalidomide in combination with dexamethasone until progression Continue lenalidomide 25 mg orally once daily on days 1-21 of repeated 28-day cycles in combination with dexamethasone. Treatment should be continued until disease progression or unaccepToxicity. □ Dose reduction steps Lenalidomidea Starting dose 25 mg Dose level -1 20 mg Dose level -2 15 mg Dose level -3 10 mg

Dose level- 4 5 mg Dose level -5 2.5 mg ^a Dose reduction for all products can be managed independently

- Thrombocytopenia

When platelets Recommended course Falls to $< 30 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 50 \times 10^9/L$ Resume lenalidomide at dose level -1 once daily For each subsequent drop below $30 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 50 \times 10^9/L$ Resume lenalidomide at next lower dose level once daily

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Absolute neutrophil count (ANC) - neutropenia When ANC Recommended coursea First falls to $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 1 \times 10^9/L$ when neutropenia is the only Resume lenalidomide at starting observed toxicity dose once daily Returns to $\geq 0.5 \times 10^9/L$ when dose-dependent Resume lenalidomide at dose level haematological toxicities other than neutropenia are -1 once daily observed For each subsequent drop below $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 0.5 \times 10^9/L$ Resume lenalidomide at next lower dose level once daily. a At the physician's discretion, if neutropenia is the only toxicity at any dose level, add granulocyte colony stimulating factor (G-CSF) and maintain the dose level of lenalidomide. Lenalidomide in combination with melphalan and prednisone followed by lenalidomide □ maintenance in patients who are not eligible for transplant Lenalidomide treatment must not be started if the ANC is $< 1.5 \times 10^9/L$, and/or platelet counts are $< 75 \times 10^9/L$. Recommended dose The recommended starting dose is lenalidomide 10 mg orally once daily on days 1 to 21 of repeated 28-day cycles for up to 9 cycles, melphalan 0.18 mg/kg orally on days 1 to 4 of repeated 28-day cycles, prednisone 2 mg/kg orally on days 1 to 4 of repeated 28-day cycles. Patients who complete 9 cycles or who are unable to complete the combination therapy due to intolerance are treated with lenalidomide monotherapy as follows: 10 mg orally once daily on days 1 to 21 of repeated 28-day cycles given until disease progression. □ Dose reduction steps Lenalidomide Melphalan Prednisone Starting dose 10 mg^a 0.18 mg/kg 2 mg/kg Dose level -1 7.5 mg 0.14 mg/kg 1 mg/kg Dose level -2 5 mg 0.10 mg/kg 0.5 mg/kg Dose level -3 2.5 mg Not applicable 0.25 mg/kg ^a If neutropenia is the only toxicity at any dose level,

add granulocyte colony stimulating factor (G-CSF) and maintain the dose level of lenalidomide. □ Thrombocytopenia When platelets Recommended course First falls to $< 25 \times 10^9/L$ Interrupt lenalidomide treatment Resume lenalidomide and melphalan at Returns to $\geq 25 \times 10^9/L$ dose level -1 BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg For each subsequent drop below $30 \times 10^9/L$ Interrupt lenalidomide treatment Resume lenalidomide at next lower dose Returns to $\geq 30 \times 10^9/L$ level (dose level -2 or -3) once daily. □ Absolute neutrophil count (ANC) - neutropenia When ANC Recommended course First falls to $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 0.5 \times 10^9/L$ when neutropenia is the Resume lenalidomide at starting dose only observed toxicity once daily Returns to $\geq 0.5 \times 10^9/L$ when dose-dependent Resume lenalidomide at dose level -1 haematological toxicities other than neutropenia once daily are observed For each subsequent drop below $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Resume lenalidomide at next lower dose Returns to $\geq 0.5 \times 10^9/L$ level once daily. a At the physician's discretion, if neutropenia is the only toxicity at any dose level, add granulocyte colony stimulating factor (G-CSF) and maintain the dose level of lenalidomide.

- Lenalidomide maintenance in patients who have undergone autologous stem cell transplantation (ASCT) Lenalidomide maintenance should be initiated after adequate haematologic recovery following ASCT in patients without evidence of progression. Lenalidomide must not be started if the Absolute Neutrophil Count (ANC) is $< 1.0 \times 10^9/L$, and/or platelet counts are $< 75 \times 10^9/L$. Recommended dose The recommended starting dose is lenalidomide 10 mg orally once daily continuously (on days 1 to 28 of repeated 28-day cycles) given until disease progression or intolerance. After 3 cycles of lenalidomide maintenance, the dose can be increased to 15 mg orally once daily if tolerated.

- Dose reduction steps

Starting dose (10 mg) If dose increased (15 mg)a Dose level -1 5 mg 10 mg Dose level -2 5 mg (days 1-21 every 28 days) 5 mg Dose level -3 Not applicable 5 mg (days 1-21 every 28 days) Do not dose below 5 mg (days 1-21 every 28 days) a After 3 cycles of

lenalidomide maintenance, the dose can be increased to 15 mg orally once daily if tolerated.

- Thrombocytopenia

When platelets Recommended course Falls to $< 30 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 30 \times 10^9/L$ Resume lenalidomide at dose level -1 once daily For each subsequent drop below $30 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 30 \times 10^9/L$ Resume lenalidomide at next lower dose level once daily
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- Absolute neutrophil count (ANC) - neutropenia

When ANC Recommended course Falls to $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 0.5 \times 10^9/L$ Resume lenalidomide at dose level -1 once daily Returns to $\geq 0.5 \times 10^9/L$ Resume lenalidomide at next lower dose level once daily a At the physician's discretion, if neutropenia is the only toxicity at any dose level, add granulocyte colony stimulating factor (G-CSF) and maintain the dose level of lenalidomide. Multiple myeloma with at least one prior therapy Lenalidomide treatment must not be started if the ANC $< 1.0 \times 10^9/L$, and/or platelet counts $< 75 \times 10^9/L$ or, dependent on bone marrow infiltration by plasma cells, platelet counts $< 30 \times 10^9/L$. Recommended dose The recommended starting dose of lenalidomide is 25 mg orally once daily on days 1 to 21 of repeated 28-day cycles. The recommended dose of dexamethasone is 40 mg orally once daily on days 1 to 4, 9 to 12, and 17 to 20 of each 28-day cycle for the first 4 cycles of therapy and then 40 mg once daily on days 1 to 4 every 28 days. Prescribing physicians should carefully evaluate which dose of dexamethasone to use, taking into account the condition and disease status of the patient.

- Dose reduction steps

Starting dose 25 mg Dose level -1 15 mg Dose level -2 10 mg Dose level -3 5 mg

- Thrombocytopenia

When platelets Recommended course First falls to $< 30 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 30 \times 10^9/L$ Resume lenalidomide at dose level -

1 For each subsequent drop below $30 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 30 \times 10^9/L$ Resume lenalidomide at next lower dose level (dose level -2 or -3) once daily. Do not dose below 5 mg once daily. □ Absolute neutrophil count (ANC) - neutropenia When ANC Recommended course First falls to $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Returns to $\geq 0.5 \times 10^9/L$ when neutropenia is the Resume lenalidomide at starting dose only observed toxicity once daily Returns to $\geq 0.5 \times 10^9/L$ when dose-dependent Resume lenalidomide at dose level -1 haematological toxicities other than neutropenia once daily are observed For each subsequent drop below $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 0.5 \times 10^9/L$ Resume lenalidomide at next lower dose level (dose level -1, -2 or -3) once daily. Do not dose below 5 mg once daily. a At the physician's discretion, if neutropenia is the only toxicity at any dose level, add granulocyte colony stimulating factor (G-CSF) and maintain the dose level of lenalidomide. Myelodysplastic syndromes (MDS) Lenalidomide treatment must not be started if the ANC $< 0.5 \times 10^9/L$ and/or platelet counts $< 25 \times 10^9/L$. Recommended dose The recommended starting dose of lenalidomide is 10 mg orally once daily on days 1 to 21 of repeated 28-day cycles.

- Dose reduction steps

Starting dose 10 mg once daily on days 1 to 21 every 28 days Dose level -1 5 mg once daily on days 1 to 28 every 28 days Dose level -2 2.5 mg once daily on days 1 to 28 every 28 days Dose level -3 2.5 mg every other day 1 to 28 every 28 days

- Thrombocytopenia

When platelets Recommended course Falls to $< 25 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 25 \times 10^9/L$ - $< 50 \times 10^9/L$ on at least 2 Resume lenalidomide at next lower dose

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occasions for ≥ 7 days or when the platelet count level (dose level -1, -2 or -3) recovers to $\geq 50 \times 10^9/L$ at any time □ Absolute neutrophil count (ANC) - neutropenia When ANC Recommended course Falls to $< 0.5 \times 10^9/L$ Interrupt lenalidomide treatment Returns to $\geq 0.5 \times 10^9/L$ Resume lenalidomide at next lower

dose level (dose level -1, -2 or -3) BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Discontinuation of lenalidomide Patients without at least a minor erythroid response within 4 months of therapy initiation, demonstrated by at least a 50% reduction in transfusion requirements or, if not transfused, a 1g/dl rise in haemoglobin, should discontinue lenalidomide treatment. Mantle cell lymphoma (MCL) Recommended dose The recommended starting dose of lenalidomide is 25 mg orally once daily on days 1 to 21 of repeated 28-day cycles.

- Dose reduction steps

Starting dose 25 mg once daily on days 1 to 21, every 28 days Dose Level -1 20 mg once daily on days 1 to 21, every 28 days Dose Level -2 15 mg once daily on days 1 to 21, every 28 days Dose Level -3 10 mg once daily on days 1 to 21, every 28 days Dose Level -4 5 mg once daily on days 1 to 21, every 28 days

2.5 mg once daily on days 1 to 21, every 28 days¹

Dose Level -5

5 mg every other day on days 1 to 21, every 28 days

Follicular lymphoma (FL) Lenalidomide treatment must not be started if the ANC is $< 1 \times 10^9/L$, and/or platelet count $< 50 \times 10^9/L$, unless secondary to lymphoma infiltration of bone marrow. Recommended dose The recommended starting dose of lenalidomide is 20 mg, orally once daily on days 1 to 21 of repeated 28day cycles for up to 12 cycles of treatment. The recommended starting dose of rituximab is 375 mg/m² intravenously (IV) every week in Cycle 1 (days 1, 8, 15, and 22) and day

1 of every 28-day cycle for cycles 2 through 5.

- Dose reduction steps

Starting dose 20 mg once daily on days 1-21, every 28 days Dose Level -1 15 mg once daily on days 1-21, every 28 days Dose Level -2 10 mg once daily on days 1-21, every 28 days Dose Level -3 5 mg once daily on days 1-21, every 28 days For dose adjustments due to toxicity with rituximab, refer to the corresponding . BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

- Thrombocytopenia

When platelets Recommended course Falls to $< 50 \times 10^9/L$ Interrupt lenalidomide treatment and conduct CBC at least every 7 days Resume at next lower dose level (dose level - Returns to $\geq 50 \times 10^9/L$ 1) For each subsequent drop below $50 \times 10^9/L$ Interrupt lenalidomide treatment and conduct Returns to $\geq 50 \times 10^9/L$ CBC at least every 7 days Resume lenalidomide at next lower dose level (dose level -2, -3). Do not dose below dose level 3.

- Absolute neutrophil count (ANC) - neutropenia

When ANC Recommended course ^a Falls $< 1.0 \times 10^9/L$ for at least 7 days or Interrupt lenalidomide treatment and conduct Falls to $< 1.0 \times 10^9/L$ with associated CBC at least every 7 days fever (body temperature $\geq 38.5^\circ C$) or Falls to $< 0.5 \times 10^9/L$ Returns to $\geq 1.0 \times 10^9/L$ Resume lenalidomide at next lower dose level (dose level -1) For each subsequent drop below $1.0 \times 10^9/L$ for Interrupt lenalidomide treatment and conduct at least 7 days or drop to $< 1.0 \times 10^9/L$ with CBC at least every 7 days associated fever Resume lenalidomide at next lower dose level (body temperature $\geq 38.5^\circ C$) or drop to $< 0.5 \times$ (dose level -2, -3). Do not dose below dose $10^9/L$ level3 Returns to $\geq 1.0 \times 10^9/L$ ^a At the physician's discretion, if neutropenia is the only toxicity at any dose level, add G-CSF Mantle cell lymphoma (MCL) or follicular lymphoma (FL) Tumour lysis syndrome (TLS) All patients should receive TLS prophylaxis (allopurinol, rasburicase or equivalent as per institutional guidelines) and be well hydrated (orally) during the first week of the first cycle or for a longer period if clinically indicated. To monitor for TLS, patients should have a chemistry panel drawn weekly during the first cycle and as clinically indicated. Lenalidomide may be continued (maintain dose) in patients with laboratory TLS or Grade 1 clinical TLS, or at the physician's discretion, reduce dose by one level and continue

lenalidomide. Vigorous intravenous hydration should be provided and appropriate medical

management according to the local standard of care, until correction of electrolyte abnormalities. Rasburicase therapy may be needed to reduce hyperuricaemia.

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Hospitalisation of the patient will be at physician's discretion. In patients with Grade 2 to 4 clinical TLS, interrupt lenalidomide and obtain a chemistry panel weekly or as clinically indicated. Vigorous intravenous hydration should be provided and appropriate medical management according to the local standard of care, until correction of electrolyte abnormalities. Rasburicase therapy and hospitalisation will be at physician's discretion. When the TLS resolves to Grade 0, restart lenalidomide at next lower dose per physician's discretion. Tumour flare reaction At the physician's discretion, lenalidomide may be continued in patients with Grade 1 or 2 tumour flare reaction (TFR) without interruption or modification. At the physician's discretion, therapy with non-steroidal anti-inflammatory drugs (NSAIDs), limited duration corticosteroids, and/or narcotic analgesics may be administered. In patients with Grade 3 or 4 TFR, withhold treatment with lenalidomide and initiate therapy with NSAIDs, corticosteroids and/or narcotic

analgesics. When TFR resolves to $\leq$ Grade 1, restart lenalidomide treatment at the same dose

level for the rest of the cycle. Patients may be treated for management of symptoms per the guidance for treatment of Grade 1 and 2 TFR. All indications For other Grade 3 or 4 toxicities judged to be related to lenalidomide, treatment should be stopped and only restarted at next lower dose level when toxicity has resolved to $\leq$ Grade 2 depending on the physician's discretion. Lenalidomide interruption or discontinuation should be considered for Grade 2 or 3 skin rash. Lenalidomide must be discontinued for angioedema, Grade 4 rash, exfoliative or bullous rash, or if Stevens-Johnson syndrome (SJS), toxic epidermal necrolysis (TEN) or Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) is suspected, and should not be resumed following discontinuation from these reactions. Special populations

- Paediatric population

Lenalidomide should not be used in children and adolescents from birth to less than 18 years because of safety concerns.

- Elderly

Currently available pharmacokinetic data are described in section 5.2. Lenalidomide has been used in clinical trials in multiple myeloma patients up to 91 years of age, in myelodysplastic syndromes patients up to 95 years of age and in mantle cell lymphoma patients up to 88 years of age. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection and it would be prudent to monitor renal function. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

Newly diagnosed multiple myeloma: patients who are not eligible for transplant Patients with newly diagnosed multiple myeloma aged 75 years and older should be carefully assessed before treatment is considered. For patients older than 75 years of age treated with lenalidomide in combination with dexamethasone, the starting dose of dexamethasone is 20 mg once daily on days 1, 8, 15 and 22 of each 28-day treatment cycle. No dose adjustment is proposed for patients older than 75 years who are treated with lenalidomide in combination with melphalan and prednisone. In patients with newly diagnosed multiple myeloma aged 75 years and older who received lenalidomide, there was a higher incidence of serious adverse reactions and adverse reactions that led to treatment discontinuation. Lenalidomide combined therapy was less tolerated in newly diagnosed multiple myeloma patients older than 75 years of age compared to the younger population. These patients discontinued at a higher rate due to intolerance (Grade 3 or 4 adverse events and serious adverse events), when compared to patients < 75 years. Multiple myeloma: patients with at least one prior therapy The percentage of multiple myeloma patients aged 65 or over was not significantly different between the lenalidomide/dexamethasone and placebo/dexamethasone groups. No overall difference in safety or efficacy was observed between these patients and younger patients, but greater pre-disposition of older individuals cannot be ruled out. Myelodysplastic syndromes For myelodysplastic syndromes patients treated with lenalidomide, no overall difference in safety and efficacy was observed between patients aged over 65 and younger patients. Mantle cell lymphoma For mantle cell lymphoma patients treated with lenalidomide, no overall difference in safety and efficacy was observed between patients aged 65 years or over compared with patients aged under 65 years of age. Follicular lymphoma For follicular lymphoma patients treated with lenalidomide in combination with

rituximab, the overall rate of adverse events is similar for patients aged 65 years or over compared with patients under 65 years of age. No overall difference in efficacy was observed between the two age groups. Patients with renal impairment

Lenalidomide is primarily excreted by the kidney; patients with greater degrees of renal impairment can have impaired treatment tolerance. Care should be taken in dose selection and monitoring of renal function is advised.

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No dose adjustments are required for patients with mild renal impairment and multiple myeloma, myelodysplastic syndromes, mantle cell lymphoma, or follicular lymphoma. The following dose adjustments are recommended at the start of therapy and throughout treatment for patients with moderate or severe impaired renal function or end stage renal disease. There are no phase 3 trial experiences with End Stage Renal Disease (ESRD) ($\text{CLcr} < 30 \text{ mL/min}$, requiring dialysis).

Multiple myeloma Renal function (CLcr)

Dose adjustment

Moderate renal impairment 10 mg once daily² ($30 \leq \text{CLcr} < 50 \text{ mL/min}$)

Severe renal impairment 7.5 mg once daily² ($\text{CLcr} < 30 \text{ mL/min}$, not requiring dialysis)

15 mg every other day

End Stage Renal Disease (ESRD) 5 mg once daily. On dialysis days, the dose ($\text{CLcr} < 30 \text{ mL/min}$, requiring dialysis) should be administered following dialysis. The dose may be escalated to 15 mg once daily after 2 cycles if patient is not responding to treatment and is tolerating the treatment.

² In countries where the 7.5 mg capsule is available.

Myelodysplastic syndromes Renal function (CLcr)

Dose adjustment

5 mg once daily

Starting dose (days 1 to 21 of repeated 28-day cycles)

Moderate renal 2.5 mg once daily impairment ($30 \leq \text{Dose level -1}^*$ (days 1 to 28 of repeated 28-day $\text{CLcr} < 50 \text{ mL/min}$) cycles)

2.5 mg once every other day

Dose level -2* (days 1 to 28 of repeated 28-day cycles)

2.5 mg once daily

Starting dose (days 1 to 21 of repeated 28-day cycles) Severe renal impairment 2.5 mg every other day (CLcr < 30 mL/min, not requiring Dose level -1* (days 1 to 28 of repeated 28-day

dialysis) cycles)

2.5 mg twice a week

Dose level -2* (days 1 to 28 of repeated 28-day cycles) End Stage Renal Disease (ESRD) 2.5 mg once daily (CLcr < 30 mL/min, requiring Starting dose (days 1 to 21 of repeated 28-day

dialysis) cycles)

The dose may be escalated to 15 mg once daily after 2 cycles if patient is not responding to treatment and is tolerating the

treatment. 2 In countries where the 7.5 mg capsule is available.

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Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg On dialysis days, the dose should be 2.5 mg every other day administered following dialysis. Dose level -1* (days 1 to 28 of repeated 28-day cycles)

2.5 mg twice a week

Dose level -2* (days 1 to 28 of repeated 28-day cycles) * Recommended dose reduction steps during treatment and restart of treatment to manage Grade

3 or 4 neutropenia or thrombocytopenia, or other Grade 3 or 4 toxicity judged to be related to

lenalidomide, as described above. Mantle cell lymphoma Dose adjustment Renal function (CLcr) (days 1 to 21 of repeated 28-day cycles) Moderate renal impairment

10 mg once daily¹

(30 ≤ CLcr < 50 mL/min) Severe renal impairment 7.5 mg once daily² (CLcr < 30 mL/min, not requiring dialysis) 15 mg every other day End Stage Renal Disease (ESRD) 5 mg once daily. On dialysis days, the dose (CLcr < 30 mL/min, requiring dialysis) should be administered following dialysis. Follicular lymphoma Dose

adjustment Renal function (CLcr) (days 1 to 21 of repeated 28-day cycles) Moderate renal impairment

10 mg once daily^{1, 2}

(30 CLcr < 60 mL/min) Severe renal impairment No data available³ (CLcr < 30 mL/min, not requiring dialysis) End Stage Renal Disease (ESRD) No data available³ (CLcr < 30 mL/min, requiring dialysis) ¹ The dose may be escalated to 15 mg once daily after 2 cycles if the patient has tolerated therapy. For patients on a starting dose of 10 mg, in case of dose reduction to manage Grade 3 or 4 neutropenia or thrombocytopenia, or other Grade 3 or 4. Toxicity judged to be related to lenalidomide do not dose below 5 mg every other day or 2.5 mg once daily. a Patients with severe renal impairment or ESRD were excluded from study. After initiation of lenalidomide therapy, subsequent lenalidomide dose modification in renally impaired patients should be based on individual patient treatment tolerance, as described above. Patients with hepatic impairment Lenalidomide has not formally been studied in patients with impaired hepatic function and there are no specific dose recommendations. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Method of administration Oral use. Lenalidomide capsules should be taken orally at about the same time on the scheduled days. The capsules should not be opened, broken or chewed. The capsules should be swallowed whole, preferably with water, either with or without food. It is recommended to press only on one end of the capsule to remove it from the blister thereby reducing the risk of capsule deformation or breakage.

4.3 Contraindications

- Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.
- Women who are pregnant.
- Women of childbearing potential unless all of the conditions of the Pregnancy Prevention Programme are met.

4.4 Special warnings and precautions for use

When lenalidomide is given in combination with other medicinal products, the corresponding must be consulted prior to initiation of treatment. Pregnancy warning Lenalidomide is structurally related to thalidomide. Thalidomide is a known human teratogenic active substance that causes severe life-threatening birth defects. Lenalidomide induced in monkeys' malformations similar to those described with thalidomide. If lenalidomide is taken during pregnancy, a teratogenic effect of lenalidomide in humans is expected. The conditions of the Pregnancy Prevention Programme must be fulfilled for all patients unless there is reliable evidence that the patient does not have childbearing potential. Criteria for women of non-childbearing potential A female patient or a female partner of a male patient is considered to have childbearing potential

unless she meets at least one of the following criteria:

- Age $\geq$ 50 years and naturally amenorrhoeic for $\geq$ 1 year (Amenorrhoea following cancer therapy or during breast-feeding does not rule out childbearing potential).
- Premature ovarian failure confirmed by a specialist gynaecologist
- Previous bilateral salpingo-oophorectomy, or hysterectomy
- XY genotype, Turner syndrome, uterine agenesis.

Counselling For women of childbearing potential, lenalidomide is contraindicated unless all of the

following are met:

☐ She understands the expected teratogenic risk to the unborn child BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

- She understands the need for effective contraception, without interruption, at least 4 weeks

before starting treatment, throughout the entire duration of treatment, and at least 4 weeks after the end of treatment

- Even if a woman of childbearing potential has amenorrhea she must follow all the advice

on effective contraception

- She should be capable of complying with effective contraceptive measures
- She is informed and understands the potential consequences of pregnancy and the need to

rapidly consult if there is a risk of pregnancy

- She understands the need to commence the treatment as soon as lenalidomide is dispensed

following a negative pregnancy test

- She understands the need and accepts to undergo pregnancy testing at least every 4 weeks

except in case of confirmed tubal sterilisation

- She acknowledges that she understands the hazards and necessary precautions associated

with the use of lenalidomide. For male patients taking lenalidomide, pharmacokinetic data has demonstrated that lenalidomide is present in human semen at extremely low levels during treatment and is undetectable in human semen 3 days after stopping the substance in the healthy subject. As a precaution and taking into account special populations with prolonged elimination time such as renal impairment, all male

patients taking lenalidomide must meet the following conditions:

- o Understand the expected teratogenic risk if engaged in sexual activity with a pregnant woman or a woman of childbearing potential
- o Understand the need for the use of a condom if engaged in sexual activity with a pregnant woman or a woman of childbearing potential not using effective contraception (even if the man has had a vasectomy), during treatment and for at least 7 days after dose interruptions and/or cessation of treatment.
- o Understand that if his female partner becomes pregnant whilst he is taking Lenalidomide or shortly after he has stopped

taking Lenalidomide, he should inform his treating physician immediately and that it is recommended to refer the female partner to a physician specialised or experienced in teratology for evaluation and advice.

The prescriber must ensure that for women of childbearing potential:

o The patient complies with the conditions of the Pregnancy Prevention Programme, including confirmation that she has an adequate level of understanding o The patient has acknowledged the aforementioned conditions. Contraception Women of childbearing potential must use at least one effective method of contraception for at least 4 weeks before therapy, during therapy, and until at least 4 weeks after lenalidomide therapy and even in case of dose interruption unless the patient commits to absolute and continuous BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg abstinence confirmed on a monthly basis. If not established on effective contraception, the patient must be referred to an appropriately trained health care professional for contraceptive advice in order that contraception can be initiated. The following can be considered to be examples of suitable methods of contraception: o Implant o Levonorgestrel-releasing intrauterine system (IUS) o Medroxyprogesterone acetate depot o Tubal sterilisation o Sexual intercourse with a vasectomised male partner only; vasectomy must be confirmed by two negative semen analyses o Ovulation inhibitory progesterone-only pills (i.e. desogestrel) Because of the increased risk of venous thromboembolism in patients with multiple myeloma taking lenalidomide in combination therapy, and to a lesser extent in patients with multiple myeloma, myelodysplastic syndromes and mantle cell lymphoma taking lenalidomide monotherapy, combined oral contraceptive pills are not recommended. If a patient is currently using combined oral contraception the patient should switch to one of the effective methods listed above. The risk of venous thromboembolism continues for 4–6 weeks after discontinuing combined oral contraception. The efficacy of contraceptive steroids may be reduced during cotreatment with dexamethasone. Implants and levonorgestrel-releasing intrauterine systems are associated with an increased risk of infection at the time of insertion and irregular vaginal bleeding. Prophylactic antibiotics should be considered particularly in patients with neutropenia. Copper-releasing intrauterine

devices are generally not recommended due to the potential risks of infection at the time of insertion and menstrual blood loss which may compromise patients with neutropenia or thrombocytopenia. Pregnancy testing According to local practice, medically supervised pregnancy tests with a minimum sensitivity of 25 mIU/mL must be performed for women of childbearing potential as outlined below. This requirement includes women of childbearing potential who practice absolute and continuous

abstinence. Ideally, pregnancy testing, issuing a prescription and dispensing should occur on the

same day. Dispensing of lenalidomide to women of childbearing potential should occur within

7 days of the prescription.

Prior to starting treatment A medically supervised pregnancy test should be performed during the consultation, when lenalidomide is prescribed, or in the 3 days prior to the visit to the prescriber once the patient BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg had been using effective contraception for at least 4 weeks. The test should ensure the patient is not pregnant when she starts treatment with lenalidomide. Follow-up and end of treatment A medically supervised pregnancy test should be repeated at least every 4 weeks, including at least 4 weeks after the end of treatment, except in the case of confirmed tubal sterilisation. These pregnancy tests should be performed on the day of the prescribing visit or in the 3 days prior to the visit to the prescriber. Additional precautions Patients should be instructed never to give this medicinal product to another person and to return any unused capsules to their pharmacist at the end of treatment for safe disposal. Patients should not donate blood during therapy or for at least 7 days following discontinuation of lenalidomide. Educational materials, prescribing and dispensing restrictions In order to assist patients in avoiding foetal exposure to lenalidomide, the marketing authorisation holder will provide educational material to health care professionals to reinforce the warnings about

the expected teratogenicity of lenalidomide, to provide advice on contraception before therapy is started, and to provide guidance on the need for pregnancy testing. The prescriber must inform male and female patients about the expected teratogenic risk

and the strict pregnancy prevention measures as specified in the Pregnancy Prevention Programme and provide patients with appropriate patient educational brochure, patient card and/or equivalent tool in accordance to the national implemented patient card system. A national controlled distribution system has been implemented in collaboration with each National Competent Authority. The controlled distribution system includes the use of a patient card and/or equivalent tool for prescribing and/or dispensing controls, and the collecting of detailed data relating to the indication in order to monitor closely the off-label use within the national territory. Ideally, pregnancy testing, issuing a prescription and dispensing should occur on the same day. Dispensing of lenalidomide to women of childbearing potential should occur within 7 days of the prescription and following a medically supervised negative pregnancy test result. Prescriptions for women of childbearing potential can be for a maximum duration of treatment of 4 weeks, and prescriptions for all other patients can be for a maximum duration of treatment of 12 weeks. Other special warnings and precautions for use Myocardial infarction Myocardial infarction has been reported in patients receiving lenalidomide, particularly in those with known risk factors and within the first 12 months when used in combination with

dexamethasone. Patients with known risk factors – including prior thrombosis – should be

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh
Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg closely monitored, and action should be taken to try to minimize all modifiable risk factors (eg. smoking, hypertension, and hyperlipidaemia). Venous and arterial thromboembolic events In patients with multiple myeloma, the combination of lenalidomide with dexamethasone is associated with an increased risk of venous thromboembolism (predominantly deep vein thrombosis and pulmonary embolism).

The risk of venous thromboembolism was seen to a lesser extent with lenalidomide in combination with melphalan and prednisone. In patients with multiple myeloma, myelodysplastic syndromes and mantle cell lymphoma, treatment with lenalidomide monotherapy was associated with a lower risk of venous thromboembolism (predominantly deep vein thrombosis and pulmonary embolism) than in patients with multiple myeloma treated with lenalidomide in combination therapy. In patients with multiple myeloma, the combination of lenalidomide with dexamethasone is associated with an increased risk of arterial thromboembolism (predominantly myocardial infarction and cerebrovascular event) and was seen to a lesser extent with lenalidomide in combination with melphalan and prednisone. The risk of arterial thromboembolism is lower in patients with multiple myeloma treated with lenalidomide monotherapy than in patients with multiple myeloma treated with lenalidomide in combination therapy. Consequently, patients with known risk factors for thromboembolism – including prior thrombosis – should be closely monitored. Action should be taken to try to minimize all modifiable risk factors (e.g. smoking, hypertension, and hyperlipidaemia). Concomitant administration of erythropoietic agents or previous history of thromboembolic events may also increase thrombotic risk in these patients. Therefore, erythropoietic agents, or other agents that may increase the risk of thrombosis, such as hormone replacement therapy, should be used with caution in multiple myeloma patients receiving lenalidomide with dexamethasone. A haemoglobin concentration above 12 g/dl should lead to discontinuation of erythropoietic agents. Patients and physicians are advised to be observant for the signs and symptoms of

thromboembolism. Patients should be instructed to seek medical care if they develop symptoms

such as shortness of breath, chest pain, arm or leg swelling. Prophylactic antithrombotic medicines should be recommended, especially in patients with additional thrombotic risk factors. The decision to take antithrombotic prophylactic measures should be made after careful assessment of an individual patient's underlying risk factors. If the patient experiences any thromboembolic events, treatment must be discontinued and standard anticoagulation therapy started. Once the patient has been stabilised on the anticoagulation treatment and any

complications of the thromboembolic event have been managed, the lenalidomide treatment may be restarted at the original dose dependent upon a benefit risk assessment. The patient should continue anticoagulation therapy during the course of lenalidomide treatment. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Neutropenia and thrombocytopenia The major dose limiting toxicities of lenalidomide include neutropenia and thrombocytopenia. A complete blood cell count, including white blood cell count with differential count, platelet count, haemoglobin, and haematocrit should be performed at baseline, every week for the first 8 weeks of lenalidomide treatment and monthly thereafter to monitor for cytopenias. In mantle cell lymphoma patients, the monitoring scheme should be every 2 weeks in cycles 3 and 4, and then at the start of each cycle. In follicular lymphoma, the monitoring scheme should be weekly for the first 3 weeks of cycle 1 (28 days), every 2 weeks during cycles 2 through 4, and then at the start of each cycle thereafter. A dose interruption and/or a dose reduction may be required. In case of neutropenia, the physician should consider the use of growth factors in patient management. Patients should be advised to promptly report febrile episodes. Patients and physicians are advised to be observant for signs and symptoms of bleeding, including petechiae and epistaxis, especially in patients receiving concomitant medicinal products susceptible to induce bleeding. Co-administration of lenalidomide with other myelosuppressive agents should be undertaken with caution. Newly diagnosed multiple myeloma: patients who have undergone ASCT treated with lenalidomide maintenance The adverse reactions from CALGB 100104 included events reported post-high dose melphalan and ASCT (HDM/ASCT) as well as events from the maintenance treatment period. A second analysis identified events that occurred after the start of maintenance treatment. In IFM 2005-02, the adverse reactions were from the maintenance treatment period only. Overall, Grade 4 neutropenia was observed at a higher frequency in the lenalidomide maintenance arms compared to the placebo maintenance arms in the 2 studies evaluating lenalidomide maintenance in NDMM patients who have undergone ASCT (32.1% vs 26.7% [16.1% vs 1.8% after the start of maintenance treatment] in CALGB 100104 and 16.4% vs 0.7% in IFM 2005-02, respectively). Treatment-emergent AEs of neutropenia leading to lenalidomide discontinuation

were reported in 2.2% of patients in CALGB 100104 and 2.4% of patients in IFM 2005-02,

respectively. Grade 4 febrile neutropenia was reported at similar frequencies in the lenalidomide

maintenance arms compared to placebo maintenance arms in both studies (0.4% vs 0.5% [0.4% vs 0.5% after the start of maintenance treatment] in CALGB 100104 and 0.3% vs 0% in IFM 2005-02, respectively). Patients should be advised to promptly report febrile episodes, a treatment interruption and/or dose reduction may be required. Grade 3 or 4 thrombocytopenia was observed at a higher frequency in the lenalidomide maintenance arms compared to the placebo maintenance arms in studies evaluating lenalidomide maintenance in NDMM patients who have undergone ASCT (37.5% vs 30.3% [17.9% vs 4.1% BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg after the start of maintenance treatment] in CALGB 100104 and 13.0% vs 2.9% in IFM 2005-02, respectively). Patients and physicians are advised to be observant for signs and symptoms of bleeding, including petechiae and epistaxes, especially in patients receiving concomitant medicinal products susceptible to induce bleeding.

- Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated with

lenalidomide in combination with bortezomib and dexamethasone Grade 4 neutropenia was observed at a lower frequency in the lenalidomide in combination with bortezomib and dexamethasone (RVd) arm compared to the Rd comparator arm (2.7% vs 5.9%) in the SWOG S0777 study. Grade 4 febrile neutropenia was reported at similar frequencies in the RVd arm and Rd arm (0.0% vs 0.4%). Patients should be advised to promptly report febrile episodes; a treatment interruption and/or dose reduction may be required. Grade 3 or 4 thrombocytopenia was observed at a higher frequency in the RVd arm compared to the Rd comparator arm (17.2 % vs 9.4%).

- Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated with

lenalidomide in combination with low dose dexamethasone Grade 4 neutropenia was observed in the lenalidomide arms in combination with dexamethasone to a lesser extent than in the comparator arm (8.5% in the Rd [continuous treatment] and Rd18 [treatment for 18 fourweek cycles] compared with 15% in the melphalan/prednisone/thalidomide

arm. Grade 4 febrile neutropenia episodes were consistent with the comparator arm (0.6 % in the

Rd and Rd18 lenalidomide/dexamethasone-treated patients compared with 0.7% in the melphalan/prednisone/thalidomide arm. Grade 3 or 4 thrombocytopenia was observed to a lesser extent in the Rd and Rd18 arms than in the comparator arm (8.1% vs 11.1%, respectively).

- Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated with

lenalidomide in combination with melphalan and prednisone The combination of lenalidomide with melphalan and prednisone in clinical trials of newly diagnosed multiple myeloma patients is associated with a higher incidence of Grade 4 neutropenia (34.1% in melphalan, prednisone and lenalidomide arm followed by lenalidomide [MPR+R] and melphalan, prednisone and lenalidomide followed by placebo [MPp+p] treated patients compared with 7.8% in MPp+p-treated patients). Grade 4 febrile neutropenia episodes were observed infrequently (1.7% in MPR+R/MPR+p treated patients compared to 0.0% in MPp+p treated patients). The combination of lenalidomide with melphalan and prednisone in multiple myeloma patients is associated with a higher incidence of Grade 3 and Grade 4 thrombocytopenia (40.4% in MPR+R/MPR+p treated patients, compared with 13.7% in MPp+p-treated patients). BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Multiple myeloma: patients with at least one prior therapy The combination of lenalidomide with dexamethasone in multiple myeloma patients with at least one prior therapy is associated with a higher incidence of Grade 4 neutropenia (5.1% in lenalidomide/dexamethasonetreated patients compared with 0.6% in placebo/dexamethasonetreated patients). Grade 4 febrile neutropenia

episodes were observed infrequently (0.6% in lenalidomide/dexamethasone-treated patients compared to 0.0% in placebo/dexamethasone treated patients). The combination of lenalidomide with dexamethasone in multiple myeloma patients is associated with a higher incidence of Grade 3 and Grade 4 thrombocytopenia (9.9% and 1.4%, respectively, in lenalidomide/dexamethasone-treated patients compared to 2.3% and 0.0% in placebo/dexamethasone-treated patients).

- Myelodysplastic syndromes

Lenalidomide treatment in myelodysplastic syndromes patients is associated with a higher incidence of Grade 3 and 4 neutropenia and thrombocytopenia compared to patients on placebo.

- Mantle cell lymphoma

Lenalidomide treatment in mantle cell lymphoma patients is associated with a higher incidence of Grade 3 and 4 neutropenia compared with patients on the control arm.

- Follicular lymphoma

The combination of lenalidomide with rituximab in follicular lymphoma patients is associated with a higher incidence of Grade 3 or 4 neutropenia compared with patients on the placebo/rituximab arm. Febrile neutropenia and Grade 3 or 4 thrombocytopenia were more commonly observed in the lenalidomide/ rituximab arm. Thyroid disorders Cases of hypothyroidism and cases of hyperthyroidism have been reported. Optimal control of co-morbid conditions influencing thyroid function is recommended before start of treatment. Baseline and ongoing monitoring of thyroid function is recommended. Peripheral neuropathy Lenalidomide is structurally related to thalidomide, which is known to induce severe peripheral neuropathy. There was no increase in peripheral neuropathy observed with lenalidomide in combination with dexamethasone or melphalan and prednisone or lenalidomide monotherapy or with long term use of lenalidomide for the treatment of newly diagnosed multiple myeloma. The combination of lenalidomide with intravenous bortezomib and dexamethasone in multiple myeloma patients is associated with a higher frequency of peripheral neuropathy. The frequency was lower when bortezomib was administered subcutaneously. For additional

information. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Tumour flare reaction and tumour lysis syndrome Because lenalidomide has anti-neoplastic activity the complications of tumour lysis syndrome

(TLS) may occur. TLS and tumour flare reaction (TFR) have commonly been observed in patients

with chronic lymphocytic leukemia (CLL), and uncommonly in patients with lymphomas, who were treated with lenalidomide. Fatal instances of TLS have been reported during treatment with

lenalidomide. The patients at risk of TLS and TFR are those with high tumour burden prior to

treatment. Caution should be practiced when introducing these patients to lenalidomide. These

patients should be monitored closely, especially during the first cycle or dose-escalation, and appropriate precautions taken. There have been rare reports of TLS in patients with MM treated with lenalidomide, and no reports in patients with MDS treated with lenalidomide.

- Mantle cell lymphoma

Careful monitoring and evaluation for TFR is recommended. Patients with high mantle cell lymphoma International Prognostic Index (MIPI) at diagnosis or bulky disease (at least one lesion that is ≥ 7 cm in the longest diameter) at baseline may be at risk of TFR. Tumour flare reaction may mimic progression of disease (PD). Patients in studies MCL-002 and MCL-001 that experienced Grade 1 and 2 TFR were treated with corticosteroids, NSAIDs and/or narcotic analgesics for management of TFR symptoms. The decision to take therapeutic measures for TFR should be made after careful clinical assessment of the individual patient.

- Follicular lymphoma

Careful monitoring and evaluation for TFR is recommended. Tumour flare may mimic PD. Patients who experienced Grade 1 and 2 TFR were treated with corticosteroids, NSAIDs and/or narcotic analgesics for management of TFR

symptoms. The decision to take therapeutic measures for TFR should be made after careful clinical assessment of the individual patient. Careful monitoring and evaluation for TLS is recommended. Patients should be well hydrated and receive TLS prophylaxis, in addition to weekly chemistry panels during the first cycle or longer, as clinically indicated. Tumour burden

- Mantle cell lymphoma

Lenalidomide is not recommended for the treatment of patients with high tumour burden if alternative treatment options are available. Early death In study MCL-002 there was overall an apparent increase in early (within 20 weeks) deaths. Patients with high tumour burden at baseline are at increased risk of early death, there were 16/81 (20%) early deaths in the lenalidomide arm and 2/28 (7%) early deaths in the control arm. Within 52 weeks corresponding figures were 32/81 (40%) and 6/28 (21%) (See section 5.1). BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Adverse events In study MCL-002, during treatment cycle 1, 11/81 (14%) patients with high tumour burden were withdrawn from therapy in the lenalidomide arm vs. 1/28 (4%) in the control group. The main reason for treatment withdrawal for patients with high tumour burden during treatment cycle 1 in the lenalidomide arm was adverse events, 7/11 (64%). Patients with high tumour burden should therefore be closely monitored for adverse reactions including signs of tumour flare reaction (TFR). High tumour burden was defined as at least one lesion ≥ 5 cm in diameter or 3 lesions ≥ 3 cm. Allergic reactions Cases of allergic reaction/hypersensitivity reactions have been reported in patients treated with

lenalidomide. Patients who had previous allergic reactions while treated with thalidomide should

be monitored closely, as a possible cross-reaction between lenalidomide and thalidomide has been reported in the literature. Severe skin reactions Severe cutaneous reactions including SJS, and TEN and DRESS have been reported with the use of lenalidomide. Patients should be advised of the signs and symptoms of

these reactions by their prescribers and should be told to seek medical attention immediately if they develop these

symptoms. Lenalidomide must be discontinued for exfoliative or bullous rash, or if SJS, TEN or

DRESS is suspected, and should not be resumed following discontinuation for these reactions. Interruption or discontinuation of lenalidomide should be considered for other forms of skin reaction depending on severity. Patients with a history of severe rash associated with thalidomide treatment should not receive lenalidomide. Lactose intolerance Lenalidomide capsules contain lactose. Patients with rare hereditary problems of galactose intolerance, the Lapp lactase deficiency or glucose-galactose malabsorption should not take this medicinal product. Second primary malignancies An increase of second primary malignancies (SPM) has been observed in clinical trials in previously treated myeloma patients receiving lenalidomide/dexamethasone (3.98 per 100 person-years) compared to controls (1.38 per 100 person-years). Non-invasive SPM comprise basal cell or squamous cell skin cancers. Most of the invasive SPMs were solid tumour malignancies. In clinical trials of newly diagnosed multiple myeloma patients not eligible for transplant, a 4.9fold increase in incidence rate of hematologic SPM (cases of AML, MDS) has been observed in patients receiving lenalidomide in combination with melphalan and prednisone until progression BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg (1.75 per 100 person-years) compared with melphalan in combination with prednisone (0.36 per 100 person-years). A 2.12-fold increase in incidence rate of solid tumour SPM has been observed in patients receiving lenalidomide (9 cycles) in combination with melphalan and prednisone (1.57 per 100 person-years) compared with melphalan in combination with prednisone (0.74 per 100 personyears). In patients receiving lenalidomide in combination with dexamethasone until progression or for 18 months, the hematologic SPM incidence rate (0.16 per 100 person-years) was not increased as compared to thalidomide in combination with melphalan and prednisone (0.79 per 100 personyears). A 1.3-fold increase in incidence rate of solid tumour SPM has been observed in patients receiving lenalidomide in combination with dexamethasone until progression or for

18 months (1.58 per 100 person-years) compared to thalidomide in combination with melphalan and prednisone (1.19 per 100 person-years). In newly diagnosed multiple myeloma patients receiving lenalidomide in combination with bortezomib and dexamethasone, the hematologic SPM incidence rate was 0.00 – 0.16 per 100 person-years and the incidence rate of solid tumour SPM 0.21 – 1.04 per 100 person-years. The increased risk of secondary primary malignancies associated with lenalidomide is relevant also in the context of NDMM after stem cell transplantation. Though this risk is not yet fully characterized, it should be kept in mind when considering and using Lenalidomide in this setting. The incidence rate of hematologic malignancies, most notably AML, MDS and B-cell malignancies (including Hodgkin's lymphoma), was 1.31 per 100 person-years for the lenalidomide arms and 0.58 per 100 person-years for the placebo arms (1.02 per 100 person-years for patients exposed to lenalidomide after ASCT and 0.60 per 100 person-years for patients notexposed to lenalidomide after ASCT). The incidence rate of solid tumour SPMs was 1.36 per 100 person-years for the lenalidomide arms and 1.05 per 100 person-years for the placebo arms (1.26 per 100 person-years for patients exposed to lenalidomide after ASCT and 0.60 per 100 person-years for patients not-exposed to lenalidomide after ASCT). The risk of occurrence of hematologic SPM must be taken into account before initiating treatment with lenalidomide either in combination with melphalan or immediately following high-dose melphalan and ASCT. Physicians should carefully evaluate patients before and during treatment using standard cancer screening for occurrence of SPM and institute treatment as indicated. Progression to acute myeloid leukaemia in low- and intermediate-1-risk MDS

- Karyotype

Baseline variables including complex cytogenetics are associated with progression to AML in subjects who are transfusion dependent and have a Del (5q) abnormality. In a combined analysis BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg of two clinical trials of lenalidomide in low- or intermediate-1-risk myelodysplastic syndromes, subjects who had a complex cytogenetics had the highest estimated 2-year cumulative risk of progression to AML

(38.6%). The estimated 2-year rate of progression to AML in patients with an isolated Del (5q) abnormality was 13.8%, compared to 17.3% for patients with Del (5q) and one additional cytogenetic abnormality. As a consequence, the benefit/risk ratio of lenalidomide when MDS is associated with Del (5q) and complex cytogenetics is unknown.

- TP53 status

A TP53 mutation is present in 20 to 25% of lower-risk MDS Del 5q patients and is associated with a higher risk of progression to acute myeloid leukaemia (AML). In a post-hoc analysis of a clinical trial of lenalidomide in low- or intermediate-1-risk myelodysplastic syndromes (MDS- 004), the estimated 2-year rate of progression to AML was 27.5 % in patients with IHC-p53 positivity (1% cut-off level of strong nuclear staining, using immunohistochemical assessment of p53 protein as a surrogate for TP53 mutation status) and 3.6% in patients with IHC-p53 negativity (p=0.0038) Progression to other malignancies in mantle cell lymphoma In mantle cell lymphoma, AML, B-cell malignancies and non-melanoma skin cancer (NMSC) are identified risks. Second primary malignancies in follicular lymphoma In a relapsed/refractory iNHL study which included follicular lymphoma patients, no increased risk of SPMs in the lenalidomide/rituximab arm, compared to the placebo/rituximab arm, was

observed. Hematologic SPM of AML occurred in 0.29 per 100 person-years in the lenalidomide/rituximab arm compared with 0.29 per 100 person-years in patients receiving placebo/rituximab. The incidence rate of hematologic plus solid tumour SPMs (excluding nonmelanoma skin cancers) was 0.87 per 100 person-years in the lenalidomide/rituximab arm, compared to 1.17 per 100 person-years in patients receiving placebo/rituximab with a median follow-up of 30.59 months (range 0.6 to 50.9 months). Non-melanoma skin cancers are identified risks and comprise squamous cell carcinomas of skin or basal cell carcinomas. Physicians should monitor patients for the development of SPMs. Both the potential benefit of lenalidomide and the risk of SPMs should be considered when considering treatment with lenalidomide. Hepatic disorders Hepatic failure, including fatal cases, has been reported in patients treated with lenalidomide in combination

therapy: acute hepatic failure, toxic hepatitis, cytolytic hepatitis, cholestatic hepatitis, and mixed cytolytic/cholestatic hepatitis have been reported. The mechanisms of severe BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg drug-induced hepatotoxicity remain unknown although, in some cases, pre-existing viral liver disease, elevated baseline liver enzymes, and possibly treatment with antibiotics might be risk factors. Abnormal liver function tests were commonly reported and were generally asymptomatic and reversible upon dosing interruption. Once parameters have returned to baseline, treatment at a lower dose may be considered. Lenalidomide is excreted by the kidneys. It is important to dose adjust patients with renal impairment in order to avoid plasma levels which may increase the risk for higher haematological adverse reactions or hepatotoxicity. Monitoring of liver function is recommended, particularly when there is a history of or concurrent viral liver infection or when lenalidomide is combined with medicinal products known to be associated with liver dysfunction. Infection with or without neutropenia Patients with multiple myeloma are prone to develop infections including pneumonia. A higher rate of infections was observed with lenalidomide in combination with dexamethasone than with MPT in patients with NDMM who are not eligible for transplant, and with lenalidomide maintenance compared to placebo in patients with NDMM who had undergone ASCT. Grade $\geq$

3 infections occurred within the context of neutropenia in less than one-third of the patients.

Patients with known risk factors for infections should be closely monitored. All patients should be advised to seek medical attention promptly at the first sign of infection (eg, cough, fever, etc) thereby allowing for early management to reduce severity. Viral reactivation Cases of viral reactivation have been reported in patients receiving lenalidomide, including serious cases of herpes zoster or hepatitis B virus (HBV) reactivation. Some of the cases of viral reactivation had a fatal outcome. Some of the cases of herpes zoster reactivation resulted in disseminated herpes zoster, meningitis herpes zoster or ophthalmic herpes zoster requiring a temporary hold or permanent discontinuation of the treatment with lenalidomide and adequate antiviral treatment. Reactivation of hepatitis B has been reported rarely in patients

receiving lenalidomide who have previously been infected with the hepatitis B virus (HBV). Some of these cases have progressed to acute hepatic failure resulting in discontinuation of lenalidomide and adequate antiviral

treatment. Hepatitis B virus status should be established before initiating treatment with

lenalidomide. For patients who test positive for HBV infection, consultation with a physician

with expertise in the treatment of hepatitis B is recommended. Caution should be exercised when lenalidomide is used in patients previously infected with HBV, including patients who are anti- HBc positive but HBsAg negative. These patients should be closely monitored for signs and symptoms of active HBV infection throughout therapy. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Progressive multifocal leukoencephalopathy Cases of progressive multifocal leukoencephalopathy (PML), including fatal cases, have been reported with lenalidomide. PML was reported several months to several years after starting the treatment with lenalidomide. Cases have generally been reported in patients taking concomitant dexamethasone or prior treatment with other immunosuppressive chemotherapy. Physicians should monitor patients at regular intervals and should consider PML in the differential diagnosis in patients with new or worsening neurological symptoms, cognitive or behavioural signs or

symptoms. Patients should also be advised to inform their partner or caregivers about their

treatment, since they may notice symptoms that the patient is not aware of. The evaluation for PML should be based on neurological examination, magnetic resonance imaging of the brain, and cerebrospinal fluid analysis for JC virus (JCV) DNA by polymerase chain reaction (PCR) or a brain biopsy with testing for JCV. A negative JCV PCR does not exclude PML. Additional follow-up and evaluation may be warranted if no alternative diagnosis can be established. If PML is suspected, further dosing must be suspended until PML has been excluded. If PML is confirmed, lenalidomide must be permanently discontinued. Newly diagnosed

multiple myeloma patients There was a higher rate of intolerance (Grade 3 or 4 adverse events, serious adverse events,

discontinuation) in patients with age > 75 years, ISS stage III, ECOG PS $\geq$ 2 or CLcr<60 mL/min

when lenalidomide is given in combination. Patients should be carefully assessed for their ability to tolerate lenalidomide in combination, with consideration to age, ISS stage III, ECOG PS $\geq$ 2 or CLcr<60 mL/min. Cataract Cataract has been reported with a higher frequency in patients receiving lenalidomide in combination with dexamethasone particularly when used for a prolonged time. Regular monitoring of visual ability is recommended.

4.5 Interaction with other medicinal products and other forms of interaction

Erythropoietic agents, or other agents that may increase the risk of thrombosis, such as hormone replacement therapy, should be used with caution in multiple myeloma patients receiving lenalidomide with dexamethasone. Oral contraceptives No interaction study has been performed with oral contraceptives. Lenalidomide is not an enzyme inducer. In an in vitro study with human hepatocytes, lenalidomide, at various concentrations tested did not induce CYP1A2, CYP2B6, CYP2C9, CYP2C19 and CYP3A4/5. Therefore, induction leading to reduced efficacy of medicinal products, including hormonal contraceptives, is not expected if lenalidomide is administered alone. However, dexamethasone is known to be a weak to moderate inducer of CYP3A4 and is likely to also affect other enzymes BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg as well as transporters. It may not be excluded that the efficacy of oral contraceptives may be reduced during treatment. Effective measures to avoid pregnancy must be taken. Warfarin Co-administration of multiple 10 mg doses of lenalidomide had no effect on the single dose pharmacokinetics of R- and S- warfarin. Co-administration of a single 25 mg dose of warfarin had no effect on the pharmacokinetics of lenalidomide. However, it is not known whether there is an interaction during clinical use (concomitant treatment with dexamethasone). Dexamethasone is a weak to moderate enzyme inducer and its effect on warfarin is unknown. Close

monitoring of warfarin concentration is advised during the treatment. Digoxin Concomitant administration with lenalidomide 10 mg once daily increased the plasma exposure of digoxin (0.5 mg, single dose) by 14% with a 90% CI (confidence interval) [0.52%-28.2%]. It is not known whether the effect will be different in the clinical use (higher lenalidomide doses and concomitant treatment with dexamethasone). Therefore, monitoring of the digoxin concentration is advised during lenalidomide treatment. Statins There is an increased risk of rhabdomyolysis when statins are administered with lenalidomide, which may be simply additive. Enhanced clinical and laboratory monitoring is warranted notably during the first weeks of treatment. Dexamethasone Co-administration of single or multiple doses of dexamethasone (40 mg once daily) has no clinically relevant effect on the multiple dose pharmacokinetics of lenalidomide (25 mg once daily). Interactions with P-glycoprotein (P-gp) inhibitors In vitro, lenalidomide is a substrate of P-gp, but is not a P-gp inhibitor. Co-administration of multiple doses of the strong P-gp inhibitor quinidine (600 mg, twice daily) or the moderate P-gp inhibitor/substrate temsirolimus (25 mg) has no clinically relevant effect on the pharmacokinetics of lenalidomide (25 mg). Co-administration of lenalidomide does not alter the pharmacokinetics of temsirolimus.

4.6 Fertility, pregnancy and lactation

Due to the teratogenic potential, lenalidomide must be prescribed under a Pregnancy Prevention Programme unless there is reliable evidence that the patient does not have childbearing potential. Women of childbearing potential / Contraception in males and females Women of childbearing potential should use effective method of contraception. If pregnancy occurs in a woman treated with lenalidomide, treatment must be stopped and the patient should be referred to a physician specialised or experienced in teratology for evaluation and advice. If BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg pregnancy occurs in a partner of a male patient taking lenalidomide, it is recommended to refer the female partner to a physician specialised or experienced in teratology for evaluation and advice. Lenalidomide is present in human semen at extremely low levels during treatment and is undetectable in human semen 3 days

after stopping the substance in the healthy subject. As a precaution, and taking into account special populations with prolonged elimination time such as renal impairment, all male patients taking lenalidomide should use condoms throughout treatment duration, during dose interruption and for 1 week after cessation of treatment if their partner is pregnant or of childbearing potential and has no contraception. Pregnancy Lenalidomide is structurally related to thalidomide. Thalidomide is a known human teratogenic active substance that causes severe life-threatening birth defects. Lenalidomide induced malformation in monkeys similar to those described with thalidomide. Therefore, a teratogenic effect of lenalidomide is expected and lenalidomide is contraindicated during pregnancy. Breast-feeding It is not known whether lenalidomide is excreted in breast milk. Therefore, breast-feeding should be discontinued during therapy with lenalidomide. Fertility A fertility study in rats with lenalidomide doses up to 500 mg/kg (approximately 200 to 500 times the human doses of 25 mg and 10 mg, respectively, based on body surface area) produced no adverse effects on fertility and no parental toxicity.

4.7 Effects on ability to drive and use machines

Lenalidomide has minor or moderate influence on the ability to drive and use machines. Fatigue, dizziness, somnolence, vertigo and blurred vision have been reported with the use of

lenalidomide. Therefore, caution is recommended when driving or operating machines.

4.8 Undesirable effects

Summary of the safety profile Newly diagnosed multiple myeloma: patients who have undergone ASCT treated with lenalidomide maintenance A conservative approach was applied to determine the adverse reactions from CALGB 100104. The adverse reactions described in Table 1 included events reported post-HDM/ASCT as well as events from the maintenance treatment period. A second analysis that identified events that occurred after the start of maintenance treatment suggests that the frequencies described in Table BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

1 may be higher than actually observed during the maintenance treatment period. In IFM 2005-

02, the adverse reactions were from the maintenance treatment period only. The serious adverse reactions observed more frequently ($\geq 5\%$) with lenalidomide maintenance

than placebo were:

- Pneumonia (10.6%; combined term) from IFM 2005-02
- Lung infection (9.4% [9.4% after the start of maintenance treatment]) from CALGB 100104

In the IFM 2005-02 study, the adverse reactions observed more frequently with lenalidomide maintenance than placebo were neutropenia (60.8%), bronchitis (47.4%), diarrhoea (38.9%), nasopharyngitis (34.8%), muscle spasms (33.4%), leucopenia (31.7%), asthenia (29.7%), cough (27.3%), thrombocytopenia (23.5%), gastroenteritis (22.5%) and pyrexia (20.5%). In the CALGB 100104 study, the adverse reactions observed more frequently with lenalidomide maintenance than placebo were neutropenia (79.0% [71.9% after the start of maintenance treatment]), thrombocytopenia (72.3% [61.6%]), diarrhoea (54.5% [46.4%]), rash (31.7% [25.0%]), upper respiratory tract infection (26.8% [26.8%]), fatigue (22.8% [17.9%]), leucopenia (22.8% [18.8%]) and anaemia (21.0% [13.8%]). Newly diagnosed multiple myeloma patients who are not eligible for transplant receiving lenalidomide in combination with bortezomib and dexamethasone In the SWOG S0777 study, the serious adverse reactions observed more frequently ($\geq 5\%$) with lenalidomide in combination with intravenous bortezomib and dexamethasone than with

lenalidomide in combination with dexamethasone were:

- Hypotension (6.5%), lung infection (5.7%), dehydration (5.0%)

The adverse reactions observed more frequently with lenalidomide in combination with bortezomib and dexamethasone than with lenalidomide in combination with dexamethasone were: Fatigue (73.7%), peripheral neuropathy (71.8%), thrombocytopenia (57.6%), constipation (56.1%), hypocalcaemia (50.0%). Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated

with lenalidomide in combination with low dose dexamethasone The serious adverse reactions observed more frequently ($\geq 5\%$) with lenalidomide in combination with low dose dexamethasone (Rd and Rd18) than with melphalan, prednisone and thalidomide

(MPT) were:

- Pneumonia (9.8%)
- Renal failure (including acute) (6.3%)

The adverse reactions observed more frequently with Rd or Rd18 than MPT were: diarrhoea (45.5%), fatigue (32.8%), back pain (32.0%), asthenia (28.2%), insomnia (27.6%), rash (24.3%), decreased appetite (23.1%), cough (22.7%), pyrexia (21.4%), and muscle spasms (20.5%). BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated with lenalidomide in combination with melphalan and prednisone The serious adverse reactions observed more frequently ($\geq 5\%$) with melphalan, prednisone and lenalidomide followed by lenalidomide maintenance (MPR+R) or melphalan, prednisone and lenalidomide followed by placebo (MPR+p) than melphalan, prednisone and placebo followed

by placebo (MPp+p) were:

o Febrile neutropenia (6.0%) o Anaemia (5.3%) The adverse reactions observed more frequently with MPR+R or MPR+p than MPp+p were: neutropenia (83.3%), anaemia (70.7%), thrombocytopenia (70.0%), leucopenia (38.8%), constipation (34.0%), diarrhoea (33.3%), rash (28.9%), pyrexia (27.0%), peripheral oedema (25.0%), cough (24.0%), decreased appetite (23.7%), and asthenia (22.0%). Multiple myeloma: patients with at least one prior therapy In two phase 3 placebo-controlled studies, 353 patients with multiple myeloma were exposed to the lenalidomide/dexamethasone combination and 351 to the placebo/dexamethasone combination. The most serious adverse reactions observed more frequently in lenalidomide/dexamethasone

than placebo/dexamethasone combination were:

- Venous thromboembolism (deep vein thrombosis, pulmonary embolism).

The observed adverse reactions which occurred more frequently with lenalidomide and dexamethasone than placebo and dexamethasone in pooled multiple myeloma clinical trials (MM-009 and MM-010) were fatigue (43.9%), neutropenia (42.2%), constipation (40.5%), diarrhoea (38.5%), muscle cramp (33.4%), anaemia (31.4%), thrombocytopenia (21.5%), and rash (21.2%). Myelodysplastic syndromes The overall safety profile of lenalidomide in patients with myelodysplastic syndromes is based on data from a total of 286 patients from one phase 2 study and one phase 3 study. In the phase 2, all 148 patients were on lenalidomide treatment. In the phase 3 study, 69 patients were on lenalidomide 5 mg, 69 patients on lenalidomide 10 mg and 67 patients were on placebo during the double-blind phase of the study. Most adverse reactions tended to occur during the first 16 weeks of therapy with lenalidomide.

Serious adverse reactions include:

- Venous thromboembolism (deep vein thrombosis, pulmonary embolism)
- Grade 3 or 4 neutropenia, febrile neutropenia and Grade 3 or 4 thrombocytopenia.

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh
Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg The most commonly observed adverse reactions which occurred more frequently in the lenalidomide groups compared to the control arm in the phase 3 study were neutropenia (76.8%), thrombocytopenia (46.4%), diarrhoea (34.8%), constipation (19.6%), nausea (19.6%), pruritus (25.4%), rash (18.1%), fatigue (18.1%) and muscle spasms (16.7%). Mantle cell lymphoma The overall safety profile of lenalidomide in patients with mantle cell lymphoma is based on data from 254 patients from a phase 2 randomised, controlled study MCL-002. Additionally, adverse drug reactions from supportive study MCL-001 have been included in table 3. The serious adverse reactions observed more frequently in study MCL-002 (with a difference of at least 2 percentage points) in the lenalidomide arm compared with the control arm were: o Neutropenia (3.6%) o Pulmonary embolism (3.6%) o Diarrhoea (3.6%) The most frequently observed adverse reactions which occurred more frequently in the lenalidomide arm compared with the control arm in study

MCL-002 were neutropenia (50.9%), anaemia (28.7%), diarrhoea (22.8%), fatigue (21.0%), constipation (17.4%), pyrexia (16.8%), and rash (including dermatitis allergic) (16.2%). In study MCL-002 there was overall an apparent increase in early (within 20 weeks) deaths. Patients with high tumour burden at baseline are at increased risk of early death, 16/81 (20%) early deaths in the lenalidomide arm and 2/28 (7%) early deaths in the control arm. Within 52 weeks corresponding figures were 32/81 (39.5%) and 6/28 (21%). During treatment cycle 1, 11/81 (14%) patients with high tumour burden were withdrawn from therapy in the lenalidomide arm vs. 1/28 (4%) in the control group. The main reason for treatment withdrawal for patients with high tumour burden during treatment cycle 1 in the lenalidomide arm was adverse events, 7/11 (64%). High tumour burden was defined as at least one lesion ≥ 5 cm in diameter or 3 lesions ≥ 3 cm. Follicular lymphoma The overall safety profile of lenalidomide in combination with rituximab in patients with previously treated follicular lymphoma is based on data from 294 patients from a Phase 3 randomised, controlled study NHL007. Additionally, adverse drug reactions from supportive study NHL-008 have been included in Table 5. The serious adverse reactions observed most frequently (with a difference of at least 1 percentage point) in study NHL-007 in the lenalidomide/rituximab arm compared with the placebo/rituximab

arm were:

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- Febrile neutropenia (2.7%)
- Pulmonary embolism (2.7%)
- Pneumonia (2.7%)

In the NHL-007 study the adverse reactions observed more frequently in the lenalidomide/rituximab arm compared with the placebo/rituximab arm (with at least 2% higher frequency between arms) were neutropenia (58.2%), diarrhoea (30.8%), leucopenia (28.8%), constipation (21.9%), cough (21.9%) and fatigue (21.9%). Tabulated list of adverse reactions The adverse reactions observed in patients treated with lenalidomide are listed below by system organ class and

frequency. Within each frequency grouping, adverse reactions are presented in order of decreasing seriousness. Frequencies are defined as: very common ($\geq 1/10$); common ($\geq 1/100$ to $< 1/10$); uncommon ($\geq 1/1,000$ to $< 1/100$); rare ($\geq 1/10,000$ to $< 1/1,000$); very rare ($< 1/10,000$), not known (cannot be estimated from the available data). Adverse reactions have been included under the appropriate category in the table below according to the highest frequency observed in any of the main clinical trials. Tabulated summary for monotherapy in MM The following table is derived from data gathered during NDMM studies in patients who have undergone ASCT treated with lenalidomide maintenance. The data were not adjusted according to the longer duration of treatment in the lenalidomide-containing arms continued until disease progression versus the placebo arms in the pivotal multiple myeloma studies. Table 1. ADRs reported in clinical trials in patients with multiple myeloma treated with lenalidomide maintenance therapy

System	Organ	All ADRs/Frequency	Grade 3-4 ADRs/Frequency	Class/Preferred Term
Very Common	Pneumonia $\diamond$,a	Upper respiratory	Very Common	tract infection
	Neutropenic Pneumonia $\diamond$,a	Neutropenic $\diamond$ infection		Bronchitis, infection $\diamond$
	Influenza	Common	Infections and Gastroenteritis $\diamond$	Sinusitis, Sepsis $\diamond$,b
	Bacteraemia	Lung Infestations	Nasopharyngitis, Rhinitis infection $\diamond$	Lower respiratory
	Common tract infection bacterial	$\diamond$ Infection	Urinary tract	Bronchitis $\diamond$
	$\diamond$,* infection	Lower	Influenza $\diamond$	Gastroenteritis $\diamond$
	respiratory tract infection	Herpes	zoster $\diamond$	Infection $\diamond$
	Lung infection $\diamond$	Neoplasms	Benign, Malignant and Common	Unspecified (incl cysts
	Myelodysplastic syndrome $\diamond$,*	and polyps)	BEACON	PHARMACEUTICALS LIMITED
	Bhaluka, Mymensingh, Bangladesh	Product Name:	Linamide 25 Capsule	Generic Name: Lenalidomide INN 25 mg
Very Common	Neutropenia $^{\wedge}$, $\diamond$	Febrile Neutropenia $^{\wedge}$, $\diamond$	Febrile neutropenia $^{\wedge}$, $\diamond$	Blood and
	Lymphatic neutropenia $^{\wedge}$, $\diamond$	Thrombocytopenia $^{\wedge}$, $\diamond$	Anaemia	System Disorders
	Thrombocytopenia $^{\wedge}$, $\diamond$	Anaemia	Leucopenia $\diamond$	Lymphopenia
	Leucopenia $\diamond$	Lymphopenia	Common	Pancytopenia $\diamond$
	Metabolism and	Very Common	Common	Nutrition Disorders
	Hypokalaemia	Hypokalaemia	Dehydration	Very Common
	Nervous System	Paraesthesia	Common	Disorders
	Common	Headache	Peripheral neuropathyc	Common
	Common	Vascular Disorders	Pulmonary embolism $\diamond$,*	Deep vein thrombosis $^{\wedge}$, $\diamond$,d
	Very Common	Respiratory	Thoracic Cough	Common and
Mediastinal	Common	Dyspnoea $\diamond$	Disorders	
Dyspnoea $\diamond$	Rhinorrhoea	Very Common		

Diarrhoea, Constipation, Gastrointestinal Abdominal pain, Nausea Common Disorders Common Diarrhoea, Vomiting, Nausea Vomiting, Abdominal pain upper Very Common Common Hepatobiliary Disorders Abnormal liver function tests Abnormal liver function tests Skin and Subcutaneous Very Common Common Tissue Disorders Rash, Dry skin Rash, Pruritus Very Common Musculoskeletal and Muscle spasms Connective Tissue Common Disorders Myalgia, Musculoskeletal pain General Disorders and Very Common Common Administration Site Fatigue, Asthenia, Pyrexia Fatigue, Asthenia Conditions ◇ Adverse reactions reported as serious in clinical trials in patients with NDMM who had undergone ASCT * Applies to serious adverse drug reactions only b “Sepsis” combined AE term includes the following PTs: Bacterial sepsis, Pneumococcal sepsis, Septic shock, Staphylococcal sepsis c “Peripheral neuropathy” combined AE term includes the following preferred terms (PTs): Neuropathy peripheral, Peripheral sensory neuropathy, Polyneuropathy d “Deep vein BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg thrombosis” combined AE term includes the following PTs: Deep vein thrombosis, Thrombosis, Venous thrombosis Tabulated summary for combination therapy in MM The following table is derived from data gathered during the multiple myeloma studies with combination therapy. The data were not adjusted according to the longer duration of treatment in the lenalidomide-containing arms continued until disease progression versus the comparator arms in the pivotal multiple myeloma studies. Table 2. ADRs reported in clinical studies in patients with multiple myeloma treated with lenalidomide in combination with bortezomib and dexamethasone, dexamethasone, or melphalan and prednisone System Organ Class / Preferred All ADRs/Frequency Grade 3–4 ADRs/Frequency Term Very Common Common Pneumonia◇,◇◇, Upper respiratory tract Pneumonia◇,◇◇, Bacterial, viral infection◇, Bacterial, viral and fungal and fungal infections infections (including opportunistic (including opportunistic infections)◇, Infections and infections)◇, Cellulitis◇, Nasopharyngitis, Pharyngitis, Infestations Sepsis◇,◇◇, Lung infection◇◇, Bronchitis◇, Bronchitis◇, Respiratory tract Rhinitis infection◇◇, Common Urinary tract infection◇◇, Sepsis◇,◇◇, Lung infection◇◇, Urinary Enterocolitis infectious tract infection◇◇, Sinusitis◇ Common Acute myeloid leukaemia◇, Myelodysplastic syndrome◇, Neoplasms Squamous cell carcinoma of Benign, Uncommon skin^,◇,**

Malignant and Basal cell carcinoma^{^,◇}, Squamous skin Uncommon Unspecified
 (incl cancer^{^,◇,*} T-cell type acute leukaemia[◇], cysts and polyps) Basal cell
 carcinoma^{^,◇}, Tumour lysis syndrome Very Common Very Common
 Neutropenia^{^,◇,◇◇}, Neutropenia^{^,◇,◇◇}, Thrombocytopenia^{^,◇,◇◇}, Blood and
 Thrombocytopenia^{^,◇,◇◇}, Anaemia[◇], Lymphatic Anaemia[◇], Haemorrhagic disorder[^],
 Leucopenia, Lymphopenia System Leucopenia, Lymphopenia Common Disorders
 Common Febrile neutropenia^{^,◇}, Febrile neutropenia^{^,◇}, Pancytopenia[◇]
 Pancytopenia[◇], Haemolytic Uncommon anaemia BEACON PHARMACEUTICALS
 LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule
 Generic Name: Lenalidomide INN 25 mg Haemolysis, Autoimmune haemolytic
 Uncommon anaemia, Haemolytic anaemia Hypercoagulation, Coagulopathy Immune
 System Uncommon Disorders Hypersensitivity[^] Endocrine Common Disorders
 Hypothyroidism System Organ Class / Preferred All ADRs/Frequency Grade 3–4
 ADRs/Frequency Term Common Very Common Hypokalaemia^{◇,◇◇},
 Hypokalaemia^{◇,◇◇}, Hyperglycaemia, Hyperglycaemia, Hypoglycaemia,
 Hypocalcaemia[◇], Metabolism and Hypocalcaemia[◇], Diabetes Hyponatraemia[◇],
 Dehydration^{◇◇}, Nutrition mellitus[◇], Hypophosphataemia, Decreased appetite^{◇◇},
 Weight decreased Disorders Hyponatraemia[◇], Common Hyperuricaemia, Gout,
 Hypomagnesaemia, Hyperuricaemia, Dehydration^{◇◇}, Decreased Hypercalcaemia+
 appetite^{◇◇}, Weight decreased Very Common Psychiatric Depression, Insomnia
 Common Disorders Uncommon Depression, Insomnia Loss of libido Very Common
 Peripheral neuropathies^{◇◇} Very Common Common Peripheral neuropathies^{◇◇},
 Paraesthesia, Cerebrovascular accident[◇], Dizziness^{◇◇}, Tremor, Dysgeusia, Nervous
 System Dizziness^{◇◇}, Syncope^{◇◇}, Headache Disorders Neuralgia Common Uncommon
 Ataxia, Balance impaired, Syncope^{◇◇}, Intracranial haemorrhage[^], Neuralgia,
 Dysaesthesia Transient ischaemic attack, Cerebral ischemia Very Common
 Common Cataracts, Blurred Cataract Eye Disorders vision Uncommon Common
 Blindness Reduced visual acuity Ear and Common Labyrinth Deafness (Including
 Hypoacusis), Disorders Tinnitus Common Common Cardiac Atrial fibrillation^{◇,◇◇},
 Bradycardia Myocardial infarction Disorders Uncommon (including acute)^{^,◇}, Atrial
 BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh
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 Arrhythmia, QT prolongation, Atrial fibrillation^{◇,◇◇}, Congestive flutter, cardiac

failure, Ventricular extrasystoles Tachycardia, Cardiac failure, Myocardial ischemia Very Common Venous thromboembolic events, predominantly deep Venous thromboembolic events, Common vein thrombosis and pulmonary embolism, predominantly deep vein thrombosis Vascular Common and pulmonary embolism, Disorders Vasculitis, Hypotension, Hypotension Hypertension Common Uncommon Hypertension, Ecchymosis Ischemia, Peripheral ischemia, Intracranial venous sinus thrombosis System Organ Class / Preferred All ADRs/Frequency Grade 3-4 ADRs/Frequency Term Respiratory, Very Common Common Thoracic and Dyspnoea, Epistaxis, Cough Respiratory distress, Mediastinal Common Dyspnoea, Disorders Dysphonia Pleuritic pain, Hypoxia Very Common Diarrhoea, Constipation, Abdominal pain, Nausea, Vomiting, Dyspepsia, Dry Common mouth, Gastrointestinal Stomatitis haemorrhage, Gastrointestinal Common Small intestinal obstruction, Disorders Gastrointestinal haemorrhage Diarrhoea, Constipation, (including rectal haemorrhage, Abdominal pain, Nausea, haemorrhoidal haemorrhage, peptic Vomiting ulcer haemorrhage and gingival bleeding), Dysphagia Uncommon Colitis, Caecitis Very Common Common Alanine aminotransferase increased, Cholestasis, Hepatotoxicity, Aspartate aminotransferase increased Hepatocellular injury, Hepatobiliary Common Alanine aminotransferase Disorders Hepatocellular injury, Abnormal liver increased, Abnormal liver function tests, Hyperbilirubinaemia function tests Uncommon Uncommon BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Hepatic failure Hepatic failure Very Common Rashes, Pruritus Common Common Urticaria, Hyperhidrosis, Dry skin, Skin Skin and Rashes hyperpigmentation, Eczema, Erythema Subcutaneous Uncommon Uncommon Tissue Disorders Drug rash with eosinophilia Drug rash with eosinophilia and and systemic symptoms systemic symptoms, Skin discolouration, Photosensitivity reaction Very Common Common Muscular weakness, Muscle spasms, Muscular weakness, Bone Bone pain, Musculoskeletal and pain, Musculoskeletal and Musculoskeletal connective tissue pain and discomfort connective tissue pain and and Connective (including back pain), discomfort (including back Tissue Disorders Pain in extremity, Myalgia, Arthralgia pain) Common Uncommon Joint swelling Joint swelling System

Organ Class / Preferred All ADRs/Frequency Grade 3–4 ADRs/Frequency Term

Very Common Renal failure (including acute)◇,◇◇ Renal and Common Uncommon Urinary Haematuria^, Urinary retention, Renal tubular necrosis Disorders Urinary incontinence Uncommon Acquired Fanconi syndrome Reproductive Common System and Erectile dysfunction Breast Disorders Very Common Fatigue◇,◇◇, Oedema (including peripheral oedema), Pyrexia◇,◇◇, Very Common General Asthenia, Influenza like illness Fatigue◇,◇◇ Disorders and syndrome (including pyrexia, cough, Common Administration myalgia, musculoskeletal pain, Oedema peripheral, Pyrexia◇,◇◇, Site Conditions headache and rigors) Asthenia Common Chest pain◇,◇◇, Lethargy Very Common Blood alkaline phosphatase increased Investigations Common C-reactive protein increased

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Injury, Poisoning Common and Procedural Fall, Contusion^ Complications ◇◇ Adverse reactions reported as serious in clinical trials in patients with NDMM who had received lenalidomide in combination with bortezomib and dexamethasone ◇ Adverse reactions reported as serious in clinical trials in patients with multiple myeloma treated with lenalidomide in combination with dexamethasone, or with melphalan and prednisone + Applies to serious adverse drug reactions only * Squamous skin cancer was reported in clinical trials in previously treated myeloma patients with lenalidomide/dexamethasone compared to controls ** Squamous cell carcinoma of skin was reported in a clinical trial in newly diagnosed myeloma patients with lenalidomide/dexamethasone compared to controls

Tabulated summary from monotherapy The following tables are derived from data gathered during the main studies in monotherapy for myelodysplastic syndromes and mantle cell lymphoma. Table 3. ADRs reported in clinical trials in patients with myelodysplastic syndromes treated with lenalidomide#

System	Organ Class	All ADRs/Frequency	Grade 3–4 ADRs/Frequency	Preferred Term	Very Common
Infections and infestations	Pneumonia◇	Bacterial, viral and fungal	Common	Infections and infestations	Bacterial, viral and fungal
	Infestations (including opportunistic infections)	infections)◇	(including opportunistic infections)◇	Bronchitis	Very Common
	Thrombocytopenia^,◇	Blood and	Very Common	Neutropenia^,◇	Lymphatic System
Disorders	Thrombocytopenia^,◇	Leucopenia	Disorders	Neutropenia^,◇	Leucopenia
	Common	Febrile neutropenia^,◇	Very Common	Endocrine Disorders	

Hypothyroidism Very Common Decreased Common Metabolism and appetite
Hyperglycaemia, Decreased Nutrition Disorders Common appetite Iron overload,
Weight decreased Psychiatric Common Disorders Altered mood,~ BEACON
PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name:
Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Very Common
Dizziness, Nervous System Headache Disorders Common Paraesthesia Common
Acute myocardial infarction, Cardiac Disorders Atrial fibrillation, Cardiac
failure Common Venous thromboembolic events, Common Vascular Disorders
predominantly deep vein Hypertension, Haematoma thrombosis and pulmonary
embolism, Respiratory, Thoracic and Very Common Mediastinal Epistaxis
Disorders Very Common Diarrhoea, Abdominal pain Gastrointestinal (including
upper), Nausea, Common Disorders Vomiting, Constipation Diarrhoea, Nausea,
Toothache Common Dry mouth, Dyspepsia Hepatobiliary Common Common
Disorders Abnormal liver function tests Abnormal liver function tests Skin and Very
Common Common Subcutaneous Rashes, Dry Skin, Pruritus Rashes, Pruritus
Tissue Disorders System Organ Class All ADRs/Frequency Grade 3-4
ADRs/Frequency / Preferred Term Very Common Musculoskeletal and Muscle
spasms, Musculoskeletal Common Connective Tissue pain (including back pain
and Back pain Disorders pain in extremity), Arthralgia, Myalgia Renal and Urinary
Common Disorders Renal failure Very Common General Disorders Fatigue,
Peripheral oedema, and Influenza like illness syndrome Common Administration
Site (including pyrexia, cough, Pyrexia Conditions pharyngitis, myalgia,
musculoskeletal pain, headache) BEACON PHARMACEUTICALS LIMITED Bhaluka,
Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name:
Lenalidomide INN 25 mg Injury, Poisoning and Common Procedural Fall
Complications Adverse events reported as serious in myelodysplastic syndromes
clinical trials ~Altered mood was reported as a common serious adverse event in the
myelodysplastic syndromes phase 3 study; it was not reported as a Grade 3 or

4 adverse event

Algorithm applied for inclusion in the SmPC: All ADRs captured by the phase 3
study algorithm are included in the EU SmPC. For these ADRs, an additional check
of the frequency of the ADRs captured by the phase 2 study algorithm was

undertaken and, if the frequency of the ADRs in the phase 2 study was higher than in the phase 3 study, the event was included in the EU SmPC at the frequency it occurred in the phase 2 study.

Algorithm applied for myelodysplastic syndromes:

- Myelodysplastic syndromes phase 3 study (double-blind safety population, difference

between lenalidomide 5/10mg and placebo by initial dosing regimen occurring in at least 2

subjects) o All treatment-emergent adverse events with $\geq 5\%$ of subjects in lenalidomide and

at least 2% difference in proportion between lenalidomide and placebo o All treatment-emergent Grade 3 or 4 adverse events in 1% of subjects in lenalidomide and at least 1% difference in proportion between lenalidomide and placebo o All treatment-emergent serious adverse events in 1% of subjects in lenalidomide and at least 1% difference in proportion between lenalidomide and placebo

- Myelodysplastic syndromes phase 2 study

o All treatment-emergent adverse events with $\geq 5\%$ of lenalidomide treated subjects
o All treatment-emergent Grade 3 or 4 adverse events in 1% of lenalidomide treated subjects
o All treatment-emergent serious adverse events in 1% of lenalidomide treated subjects
Table 4. ADRs reported in clinical trials in patients with mantle cell lymphoma treated with lenalidomide
System Organ Class / Preferred All ADRs/Frequency Grade 3-4 ADRs/Frequency Term Very Common Bacterial, viral and fungal Common infections Bacterial, viral and fungal Infections and (including opportunistic infections (including opportunistic Infestations infections)◇, infections)◇, Nasopharyngitis, Pneumonia◇ Pneumonia◇ Common Sinusitis Neoplasms Common Common Benign, Tumour flare reaction BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Malignant and Tumour flare reaction, Squamous Unspecified (incl skin cancer^,◇, Basal cell cysts and polyps) carcinoma^,◇ Very Common Very Common Thrombocytopenia^, Thrombocytopenia^, Blood and Neutropenia^,◇, Neutropenia^,◇, Lymphatic

Anaemia◇ Leucopenia◇, Anaemia◇ System Disorders Common Common Febrile neutropenia^,◇, Febrile neutropenia^,◇ Leucopenia◇ System Organ Class / Preferred All ADRs/Frequency Grade 3–4 ADRs/Frequency Term Very Common Metabolism and Decreased appetite, Weight Common Nutrition decreased, Hypokalaemia Dehydration◇, Hyponatraemia, Disorders Common Hypocalcaemia Dehydration◇ Psychiatric Common Disorders Insomnia Common Common Nervous System Dysgeusia, Headache, neuropathy Peripheral sensory neuropathy, Disorders peripheral Lethargy Ear and Common Labyrinth Vertigo Disorders Common Cardiac Disorders Myocardial infarction (including acute)^,◇, Cardiac failure Common Vascular Common Deep vein thrombosis◇, Disorders Hypotension◇ pulmonary embolism^,◇, Hypotension◇ Respiratory, Thoracic and Very Common Common Mediastinal Dyspnoea◇ Dyspnoea◇ Disorders Very Common Diarrhoea◇, Nausea◇, Vomiting◇, Common Gastrointestinal Constipation Diarrhoea◇, Abdominal pain◇, Disorders Common Constipation Abdominal pain◇ Skin and Very Common Common Subcutaneous Rashes (including dermatitis Rashes Tissue Disorders allergic), Pruritus BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Common Night sweats, Dry skin Very Common Muscle spasms, Back Musculoskeletal Common pain and Connective Back pain, Muscular weakness◇, Common Tissue Disorders Arthralgia, Pain in extremity Arthralgia, Pain in extremity, Muscular weakness◇ Renal and Common Urinary Renal failure◇ Disorders System Organ Class / Preferred All ADRs/Frequency Grade 3–4 ADRs/Frequency Term Very Common Fatigue, Asthenia◇, Peripheral General oedema, Disorders and Common Influenza like illness syndrome Administration Pyrexia◇, Asthenia◇, Fatigue (including pyrexia◇, cough) Site Conditions Common Chills ◇ Adverse events reported as serious in mantle cell lymphoma clinical trialsAlgorithm applied for

mantle cell lymphoma:

- Mantle cell lymphoma controlled phase 2 study
 - o All treatment-emergent adverse events with $\geq 5\%$ of subjects in lenalidomide arm and at least 2% difference in proportion between lenalidomide and control arm
 - o All treatment-emergent Grade 3 or 4 adverse events in $\geq 1\%$ of subjects in lenalidomide

arm and at least 1.0% difference in proportion between lenalidomide and control arm o All Serious treatment-emergent adverse events in $\geq 1\%$ of subjects in lenalidomide arm and at least 1.0% difference in proportion between lenalidomide and control arm

- Mantle cell lymphoma single arm phase 2 study

o All treatment-emergent adverse events with $\geq 5\%$ of subjects o All Grade 3 or 4 treatment-emergent adverse events reported in 2 or more subjects o All Serious treatment-emergent adverse events reported in 2 or more subjects Tabulated summary for combination therapy in FL The following table is derived from data gathered during the main studies (NHL-007 and NHL-

008) using lenalidomide in combination with rituximab for patients with follicular lymphoma.

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh
 Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Table 5: ADRs reported in clinical trials in patients with follicular lymphoma treated with lenalidomide in combination with rituximab System Organ Class / Grade 3–4 All ADRs/Frequency Preferred Term ADRs/Frequency Common Very Common Upper Pneumonia $\diamond$, Sepsis $\diamond$, Lung respiratory tract infection infection, Infections and Common Bronchitis, Gastroenteritis, Infestations $\diamond$ Pneumonia, Influenza, Bronchitis, Sinusitis, Sinusitis, Urinary tract infection Urinary tract infection, Cellulitis $\diamond$ Very Common Neoplasms Benign, Tumour flare $\wedge$ Malignant and Common Common Unspecified (incl Basal cell carcinoma $\wedge$, $\diamond$ Squamous Cell Carcinoma of cysts and polyps) Skin $\diamond$, $\wedge$,+ Very Common Neutropenia $\wedge$, $\diamond$ Common Very Common Blood and Anaemia $\diamond$, Neutropenia $\wedge$, $\diamond$, Anaemia $\diamond$, Lymphatic System Thrombocytopenia $\wedge$, Thrombocytopenia $\wedge$, Leucopenia $\ast\ast$ Disorders Febrile neutropenia $\diamond$, Lymphopenia $\ast\ast\ast$ Pancytopenia, Leucopenia $\ast\ast$, Lymphopenia $\ast\ast\ast$ Common Very Common Dehydration, Metabolism and Decreased appetite, Hypokalaemia Hypercalcaemia $\diamond$, Nutrition Disorders Common Hypokalaemia, Hypophosphataemia, Dehydration Hypophosphataemia, Hyperuricaemia Common Psychiatric Disorders Depression, Insomnia System Organ Class / Grade 3–4 All ADRs/Frequency Preferred Term ADRs/Frequency Very Common Headache,

Dizziness Nervous System Common Common Disorders Syncope Peripheral sensory neuropathy, Dysgeusia Cardiac Disorders Uncommon Arrhythmia^{^,◇} Common Common Vascular Disorders Pulmonary embolism^{^,◇}, Hypotension Hypotension BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Respiratory, Very Common Thoracic and Dyspnoea[◇], Cough, Common Mediastinal Common Dyspnoea[◇] Disorders Oropharyngeal pain, Dysphonia Very Common Abdominal pain[◇], Diarrhoea, Common Constipation, Nausea, Vomiting, Gastrointestinal Abdominal pain[◇], Dyspepsia Disorders Diarrhoea, Common Constipation, Stomatitis Upper abdominal pain, Stomatitis, Dry mouth Very Common Skin and Rash*, Pruritus Common Subcutaneous Tissue Common Rash*, Pruritus Disorders Dry skin, Night sweats, Erythema Very Common Muscle spasms, Back pain, Arthralgia Musculoskeletal and Common Common Connective Tissue Muscular weakness, Neck Pain in extremity, Muscular Disorders pain weakness, Musculoskeletal pain, Myalgia, Neck pain Renal and Urinary Common Disorders Acute kidney injury[◇] Very Common General Disorders Pyrexia, Fatigue, Asthenia, and Common Peripheral oedema Administration Site Fatigue, Asthenia Common Conditions Malaise, Chills Very Common Alanine aminotransferase increased Investigations Common Weight decreased, Blood Bilirubin increased

Controlled– Phase 3 trial:

o NHL-007 ADRs- All treatment-emergent AEs with $\geq 5.0\%$ of subjects in lenalidomide/rituximab arm and at least 2.0% higher frequency (%) in Len arm compared to control arm - (Safety population) o NHL-007 Gr 3/4 ADRs- All Grades 3 or Grade 4 treatment-emergent AEs with at least 1.0% subjects in lenalidomide/rituximab arm and at least 1.0% higher frequency in lenalidomide arm compared to control arm - (safety population) o NHL-007 Serious ADRs- All serious treatment-emergent AEs with at least 1.0% subjects in lenalidomide/rituximab arm and at least 1.0% higher frequency in lenalidomide/rituximab arm compared to control arm - (safety population) BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

FL single arm - phase 3 trial:

o NHL-008 ADRs- All treatment-emergent adverse events with $\geq 5.0\%$ of subjects o NHL-008 Gr 3/4 ADRs- All Grade 3/4 treatment-emergent adverse events reported in $\geq 1.0\%$ of subjects o NHL-008 Serious ADRs- All serious treatment-emergent adverse events reported in $\geq 1.0\%$ of subjects $\diamond$ o Adverse events reported as serious in follicular lymphoma clinical trials + Applies to serious adverse drug reactions only * Rash includes PT of rash and rash maculo-papular ** Leucopenia includes PT leucopenia and white blood cell count decreased ***Lymphopenia includes PT lymphopenia and lymphocyte count decreased Tabulated summary of post-marketing adverse reactions In addition to the above adverse reactions identified from the pivotal clinical trials, the following table is derived from data gathered from post-marketing data. Table 6. ADRs reported in post-marketing use in patients treated with lenalidomide

System	Organ	Grade	3-4	Class	/ Preferred	All ADRs/Frequency
Not Known	Not Known	Infections and Viral infections, including herpes				
Not Known	Not Known	Infestations				
Not Known	Not Known	zoster and hepatitis B virus				
Not Known	Not Known	herpes zoster and hepatitis B reactivation				
Not Known	Not Known	virus reactivation				
Not Known	Not Known	Neoplasms Benign, Malignant and Rare Unspecified (incl Tumour lysis syndrome				
Not Known	Not Known	cysts and polyps)				
Not Known	Not Known	Blood and Not Known Lymphatic System				
Not Known	Not Known	Acquired haemophilia				
Not Known	Not Known	Disorders Immune System				
Not Known	Not Known	Disorders Solid organ transplant rejection				
Not Known	Not Known	Endocrine Common Disorders				
Not Known	Not Known	Hyperthyroidism Respiratory, Thoracic and Not Known				
Not Known	Not Known	Mediastinal Interstitial pneumonitis Disorders				
Not Known	Not Known	Pancreatitis, Gastrointestinal				
Not Known	Not Known	Gastrointestinal perforation (including Disorders diverticular, intestinal and large intestine perforations)^				

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 Not Known Acute hepatic failure^, Hepatitis toxic^, Not Known Hepatobiliary Cytolytic hepatitis^, Cholestatic Acute hepatic failure^, Disorders hepatitis^, Hepatitis toxic^ Mixed cytolytic/cholestatic hepatitis^
 Uncommon Angioedema Rare Stevens-Johnson Syndrome^, Skin and Toxic epidermal necrolysis^ Subcutaneous Not Known Tissue Disorders Leukocytoclastic vasculitis, Drug Reaction with Eosinophilia and Systemic Symptoms^ Description of selected adverse reactions Teratogenicity Lenalidomide is structurally related to thalidomide. Thalidomide is a known human teratogenic active substance that causes severe life-threatening birth defects. In monkeys, lenalidomide induced malformations similar to those described with thalidomide. If lenalidomide is taken

during pregnancy, a teratogenic effect of lenalidomide in humans is expected.
Neutropenia and thrombocytopenia

- Newly diagnosed multiple myeloma: patients who have undergone ASCT treated with

lenalidomide maintenance Lenalidomide maintenance after ASCT is associated with a higher frequency of Grade 4 neutropenia compared to placebo maintenance (32.1% vs 26.7% [16.1% vs 1.8% after the start of maintenance treatment] in CALGB 100104 and 16.4% vs 0.7% in IFM 2005-02, respectively). Treatment-emergent AEs of neutropenia leading to lenalidomide discontinuation were reported in 2.2% of patients in CALGB 100104 and 2.4% of patients in IFM 2005-02, respectively. Grade

4 febrile neutropenia was reported at similar frequencies in the lenalidomide maintenance arms

compared to placebo maintenance arms in both studies (0.4% vs 0.5% [0.4% vs 0.5% after the start of maintenance treatment] in CALGB 100104 and 0.3% vs 0% in IFM 2005-02, respectively). Lenalidomide maintenance after ASCT is associated with a higher frequency of Grade 3 or 4 thrombocytopenia compared to placebo maintenance (37.5% vs 30.3% [17.9% vs 4.1% after the start of maintenance treatment] in CALGB 100104 and 13.0% vs 2.9% in IFM 2005-02, respectively).
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- Newly diagnosed multiple myeloma patients who are not eligible for transplant receiving

lenalidomide in combination with bortezomib and dexamethasone Grade 4 neutropenia was observed in the RVd arm to a lesser extent than in the Rd comparator arm (2.7% vs 5.9%) in the SWOG S0777 study. Grade 4 febrile neutropenia was reported at similar frequencies in the RVd arm compared to the Rd arm (0.0% vs 0.4%). Grade 3 or 4 thrombocytopenia was observed in the RVd arm to a greater extent than in the Rd comparator arm (17.2 % vs 9.4%).

- Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated with

lenalidomide in combination with dexamethasone The combination of lenalidomide with dexamethasone in newly diagnosed multiple myeloma patients is associated with a lower frequency of Grade 4 neutropenia (8.5% in Rd and Rd18, compared with MPT (15%). Grade 4 febrile neutropenia was observed infrequently (0.6% in Rd and Rd18 compared with 0.7% in MPT). The combination of lenalidomide with dexamethasone in newly diagnosed multiple myeloma patients is associated with a lower frequency of Grade 3 and 4 thrombocytopenia (8.1% in Rd and Rd18) compared with MPT (11%).

- Newly diagnosed multiple myeloma: patients who are not eligible for transplant treated with

lenalidomide in combination with melphalan and prednisone The combination of lenalidomide with melphalan and prednisone in newly diagnosed multiple myeloma patients is associated with a higher frequency of Grade 4 neutropenia (34.1% in MPR+R/MPR+p) compared with MPp+p (7.8%). There was a higher frequency of Grade 4 febrile neutropenia observed (1.7% in MPR+R/MPR+p compared to 0.0% in MPp+p). The combination of lenalidomide with melphalan and prednisone in newly diagnosed multiple myeloma patients is associated with a higher frequency of Grade 3 and Grade 4 thrombocytopenia (40.4% in MPR+R/MPR+p) compared with MPp+p (13.7%).

- Multiple myeloma: patients with at least one prior therapy

The combination of lenalidomide with dexamethasone in multiple myeloma patients is associated with a higher incidence of Grade 4 neutropenia (5.1% in lenalidomide/dexamethasone-treated patients compared with 0.6% in placebo/dexamethasone-treated patients). Grade 4 febrile neutropenia episodes were observed infrequently (0.6% in lenalidomide/dexamethasone-treated patients compared to 0.0% in placebo/dexamethasone treated patients). The combination of lenalidomide with dexamethasone in multiple myeloma patients is associated with a higher incidence of Grade 3 and Grade 4 thrombocytopenia (9.9% and 1.4%, respectively, in lenalidomide/dexamethasone-treated patients compared to 2.3% and 0.0% in placebo/dexamethasone-treated patients). BEACON

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- Myelodysplastic syndromes patients

In myelodysplastic syndromes patients, lenalidomide is associated with a higher incidence of Grade 3 or 4 neutropenia (74.6% in lenalidomide-treated patients compared with 14.9% in patients on placebo in the phase 3 study). Grade 3 or 4 febrile neutropenia episodes were observed in 2.2% of lenalidomide-treated patients compared with 0.0% in patients on placebo). Lenalidomide is associated with a higher incidence of Grade 3 or 4 thrombocytopenia (37% in lenalidomide-treated patients compared with 1.5% in patients on placebo in the phase 3 study).

- Mantle cell lymphoma patients

In mantle cell lymphoma patients, lenalidomide is associated with a higher incidence of Grade 3 or 4 neutropenia (43.7% in lenalidomide-treated patients compared with 33.7% in patients in the control arm in the phase 2 study). Grade 3 or 4 febrile neutropenia episodes were observed in 6.0% of lenalidomide-treated patients compared with 2.4% in patients on control arm.

- Follicular lymphoma patients

The combination of lenalidomide with rituximab in follicular lymphoma is associated with a higher rate of grade 3 or grade 4 neutropenia (50.7% in lenalidomide/rituximab treated patients compared with 12.2% in placebo/rituximab treated patients). All grade 3 or 4 neutropenia were reversible through dose interruption, reduction and/or supportive care with growth factors. Additionally, febrile neutropenia was observed infrequently (2.7% in lenalidomide/rituximab treated patients compared with 0.7% in placebo/rituximab treated patients). Lenalidomide in combination with rituximab is also associated with a higher incidence of grade

3 or 4 thrombocytopenia (1.4% in lenalidomide/rituximab treated patients compared to 0% in

placebo/rituximab patients). Venous thromboembolism An increased risk of DVT and PE is associated with the use of the combination of lenalidomide with

dexamethasone in patients with multiple myeloma, and to a lesser extent in patients treated with lenalidomide in combination with melphalan and prednisone or in patients with multiple myeloma, myelodysplastic syndromes and mantle cell lymphoma treated with lenalidomide monotherapy. Concomitant administration of erythropoietic agents or previous history of DVT may also increase thrombotic risk in these patients. Myocardial infarction Myocardial infarction has been reported in patients receiving lenalidomide, particularly in those with known risk factors. Haemorrhagic disorders Haemorrhagic disorders are listed under several system organ classes: Blood and lymphatic system disorders; nervous system disorders (intracranial haemorrhage); respiratory, thoracic and BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg mediastinal disorders (epistaxis); gastrointestinal disorders (gingival bleeding, haemorrhoidal haemorrhage, rectal haemorrhage); renal and urinary disorders (haematuria); injury, poisoning and procedural complications (contusion) and vascular disorders (ecchymosis). Allergic reactions Cases of allergic reaction/hypersensitivity reactions have been reported. A possible cross-reaction between lenalidomide and thalidomide has been reported in the literature. Severe skin reactions Severe cutaneous reactions including SJS, TEN and DRESS have been reported with the use of

lenalidomide. Patients with a history of severe rash associated with thalidomide treatment should

not receive lenalidomide. Second primary malignancies In clinical trials in previously treated myeloma patients with lenalidomide/dexamethasone compared to controls, mainly comprising of basal cell or squamous cell skin cancers. Acute myeloid leukaemia

- Multiple myeloma

Cases of AML have been observed in clinical trials of newly diagnosed multiple myeloma in patients taking lenalidomide treatment in combination with melphalan or immediately following HDM/ASCT. This increase was not observed in clinical trials of newly diagnosed multiple myeloma in patients taking lenalidomide in

combination with dexamethasone compared to thalidomide in combination with melphalan and prednisone.

- Myelodysplastic syndromes

Baseline variables including complex cytogenetics and TP53 mutation are associated with progression to AML in subjects who are transfusion dependent and have a Del (5q) abnormality. The estimated 2-year cumulative risk of progression to AML were 13.8% in patients with an isolated Del (5q) abnormality compared to 17.3% for patients with Del (5q) and one additional cytogenetic abnormality and 38.6% in patients with a complex karyotype. In a post-hoc analysis of a clinical trial of lenalidomide in myelodysplastic syndromes, the estimated 2-year rate of progression to AML was 27.5 % in patients with IHC-p53 positivity and 3.6% in patients with IHCp53 negativity (p=0.0038). In the patients with IHC-p53 positivity, a lower rate of progression to AML was observed amongst patients who achieved a transfusion independence (TI) response (11.1%) compared to a non-responder (34.8%).

Hepatic disorders The following post-marketing adverse reactions have been reported (frequency unknown): acute hepatic failure and cholestasis (both potentially fatal), toxic hepatitis, cytolytic hepatitis, mixed cytolytic/cholestatic hepatitis.

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Rhabdomyolysis Rare cases of rhabdomyolysis have been observed, some of them when lenalidomide is administered with a statin.

Thyroid disorders Cases of hypothyroidism and cases of hyperthyroidism have been reported.

Tumour flare reaction and tumour lysis syndrome In study MCL-002, approximately 10% of lenalidomide-treated patients experienced TFR compared to 0% in the control arm. The majority of the events occurred in cycle 1, all were assessed as treatment-related, and the majority of the reports were grade 1 or 2. Patients with high MIPI at diagnosis or bulky disease (at least one lesion that is ≥ 7 cm in the longest diameter) at baseline may be at risk of TFR. In study MCL-002, TLS was reported for one patient in each of the two treatment arms. In the supportive study MCL-001, approximately 10% of subjects experienced TFR; all report were grade 1 or 2 in severity and all were assessed as treatment-

related. The majority of the events occurred in cycle 1. There were no reports of TLS in study

MCL-001. In study NHL-007, TFR was reported in 19/146 (13.0%) of patients in the lenalidomide/rituximab arm versus 1/148 (0.7%) patients in the placebo/rituximab arm. Most TFRs (18 out of 19) reported in the lenalidomide/rituximab arm occurred during first two cycles of treatment. One FL patient in the lenalidomide/rituximab arm experienced a Grade 3 TFR event versus no patients in the placebo/rituximab arm. In study NHL-008, 7/177 (4.0%) of FL patients experienced TFR; (3 reports were Grade 1 and 4 reports were Grade 2 severity); while 1 report was considered serious. In study NHL-007, TLS occurred in 2 FL patients (1.4%) in the lenalidomide/rituximab arm and no FL patients in the placebo/rituximab arm; neither patient had a Grade 3 or 4 event. TLS occurred in 1 FL patient (0.6%) in study NHL-008. This single event was identified as a serious, Grade 3 adverse reaction. For study NHL-007 no patients had to discontinue lenalidomide/rituximab therapy due to TFR or TLS. Gastrointestinal disorders Gastrointestinal perforations have been reported during treatment with lenalidomide. Gastrointestinal perforations may lead to septic complications and may be associated with fatal outcome. Reporting of suspected adverse reactions Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via the national reporting system listed in Appendix V. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

4.9 Overdose

There is no specific experience in the management of lenalidomide overdose in patients, although in doseranging studies some patients were exposed to up to 150 mg, and in single-dose studies, some patients were exposed to up to 400 mg. The dose limiting toxicity in these studies was essentially haematological. In the event of overdose, supportive care is advised.

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Other immunosuppressants. ATC code: L04AX04.

Mechanism of action Lenalidomide binds directly to cereblon, a component of a cullin ring E3 ubiquitin ligase enzyme complex that includes deoxyribonucleic acid (DNA) damage-binding protein 1 (DDB1), cullin 4 (CUL4), and regulator of cullins 1 (Roc1). In haematopoietic cells, lenalidomide binding to cereblon recruits substrate proteins Aiolos and Ikaros, lymphoid transcriptional factors, leading to their ubiquitination and subsequent degradation resulting in direct cytotoxic and immunomodulatory effects. Specifically, lenalidomide inhibits proliferation and enhances apoptosis of certain haematopoietic tumour cells (including MM plasma tumour cells, follicular lymphoma tumour cells and those with deletions of chromosome 5), enhances T cell- and Natural Killer (NK) cell-mediated immunity and increases the number of NK, T and NK T cells. In MDS Del (5q), lenalidomide selectively inhibits the abnormal clone by increasing the apoptosis of Del (5q) cells. The combination of lenalidomide and rituximab increases ADCC and direct tumor apoptosis in follicular lymphoma cells. The lenalidomide mechanism of action also includes additional activities such as anti-angiogenic and proerythropoietic properties. Lenalidomide inhibits angiogenesis by blocking the migration and adhesion of endothelial cells and the formation of microvessels, augments foetal haemoglobin production by CD34+ haematopoietic stem cells, and inhibits production of proinflammatory cytokines (e.g., TNF- α and IL-6) by monocytes.

Clinical efficacy and safety Lenalidomide efficacy and safety have been evaluated in six phase 3 studies in newly diagnosed multiple myeloma, two phase 3 studies in relapsed refractory multiple myeloma, one phase 3 study and one phase 2 study in myelodysplastic syndromes and one phase 2 study in mantle cell lymphoma and one phase 3 and one phase 3b study in iNHL as described below.

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Newly diagnosed multiple myeloma Lenalidomide maintenance in patients who have undergone ASCT The efficacy and safety of lenalidomide maintenance was assessed in two phase 3 multicentre, randomised, double-blind 2-arm, parallel group, placebo-controlled studies: CALGB 100104 and IFM 2005-02 CALGB 100104 Patients between 18 and

70 years of age with active MM requiring treatment and without prior progression after initial treatment were eligible. Patients were randomised 1:1 within 90-100 days after ASCT to receive either lenalidomide or placebo maintenance. The maintenance dose was 10 mg once daily on days 1-28 of repeated 28day cycles (increased up to 15 mg once daily after 3 months in the absence of dose-limiting toxicity), and treatment was continued until disease progression. The primary efficacy endpoint in the study was progression free survival (PFS) from randomisation to the date of progression or death, whichever occurred first; the study was not powered for the overall survival endpoint. In total 460 patients were randomised: 231 patients to Lenalidomide and 229 patients to placebo. The demographic and disease-related characteristics were balanced across both arms. The study was unblinded upon the recommendations of the data monitoring committee after surpassing the threshold for a preplanned interim analysis of PFS. After unblinding, patients in the placebo arm were allowed to cross over to receive lenalidomide before disease progression. The results of PFS at unblinding, following a preplanned interim analysis, using a cut-off of 17 December 2009 (15.5 months follow up) showed a 62% reduction in risk of disease progression or death favouring lenalidomide (HR = 0.38; 95% CI 0.27, 0.54; p <0.001). The median overall PFS was 33.9 months (95% CI NE, NE) in the lenalidomide arm versus 19.0 months (95% CI 16.2, 25.6) in the placebo arm. The PFS benefit was observed both in the subgroup of patients with CR and in the subgroup of patients who had not achieved a CR. The results for the study, using a cut-off of 1 February 2016, are presented in Table 7.

Table 7 Summary of overall efficacy data

	Placebo (N = 229)	Lenalidomide (N = 231)
Investigator-assessed PFS Mediana PFS time, months (95% CI)	19.0 (16.2, 25.6)	33.9 (NE, NE)
HR [95% CI]; p-value	0.38 (0.27, 0.54); <0.001	
Overall survival Mediana OS time, months (95% CI)	84.2 (71.0, 102.7)	111.0 (101.8, NE)
8-year survival rate, % (SE)	44.6 (3.98)	60.9 (3.78)
HR [95% CI]; p-value	0.61 (0.46, 0.81); <0.001	
Follow-up Medianf (min, max), months: all	81.9 (0.0, 119.8)	81.0 (4.1, 119.5)

CI = confidence interval; HR = hazard ratio; max = maximum; min = minimum; NE = not estimable;

OS = overall survival; PFS = progression-free survival; a The median is based on the Kaplan-Meier estimate. b The 95% CI about the median. c Based on Cox proportional hazards model comparing the hazard functions associated with the indicated treatment arms. d The p-value is based on the unstratified log-rank test of Kaplan-Meier curve differences between the indicated treatment arms. e Exploratory endpoint (PFS2). Lenalidomide received by subjects in the placebo arm who crossed over prior to PD upon study unblinding was not considered as a second-line therapy. f Median follow-up post-ASCT for all surviving subjects. IFM 2005-02 Patients aged < 65 years at diagnosis who had undergone ASCT and had achieved at least a stable disease response at the time of hematologic recovery were eligible. Patients were randomised 1:1 to receive either lenalidomide or placebo maintenance (10 mg once daily on days 1-28 of repeated 28-day cycles increased up to 15 mg once daily after 3 months in the absence of dose-limiting toxicity) following 2 courses of lenalidomide consolidation (25 mg/day, days 1-21 of a 28-day cycle). Treatment was to be continued until disease progression. The primary endpoint was PFS defined from randomisation to the date of progression or death, whichever occurred first; the study was not powered for the overall survival endpoint. In total 614 patients were randomised: 307 patients to lenalidomide and 307 patients to placebo. The study was unblinded upon the recommendations of the data monitoring committee after surpassing the threshold for a preplanned interim analysis of PFS. After unblinding, patients receiving placebo were not crossed over to lenalidomide therapy prior to progressive disease. The lenalidomide arm was discontinued, as a proactive safety measure, after observing an imbalance of SPMs.

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The results of PFS at unblinding, following a preplanned interim analysis, using a cut-off of 7 July 2010 (31.4 months follow up) showed a 48% reduction in risk of disease progression or death favouring lenalidomide (HR = 0.52; 95% CI 0.41, 0.66; p <0.001). The median overall PFS was 40.1 months (95% CI 35.7, 42.4) in the lenalidomide arm versus 22.8 months (95% CI 20.7, 27.4) in the placebo arm. The PFS benefit was less in the subgroup of patients with CR than in the subgroup of patients who had not achieved a CR. The updated PFS, using a cut-off of 1 February 2016 (96.7 months follow up) continues to show a PFS advantage: HR = 0.57 (95%

CI 0.47, 0.68; $p < 0.001$). The median overall PFS was 44.4 months (95% CI 39.6, 52.0) in the lenalidomide arm versus 23.8 months (95% CI 21.2, 27.3) in the placebo arm. For PFS2, the observed HR was 0.80 (95% CI 0.66, 0.98; $p = 0.026$) for lenalidomide versus placebo. The median overall PFS2 was 69.9 months (95% CI 58.1, 80.0) in the lenalidomide arm versus 58.4 months (95% CI 51.1, 65.0) in the placebo arm. For OS, the observed HR was 0.90: (95% CI 0.72, 1.13; $p = 0.355$) for lenalidomide versus placebo. The median overall survival time was 105.9 months (95% CI 88.8, NE) in the lenalidomide arm versus 88.1 months (95% CI 80.7, 108.4) in the placebo arm. Lenalidomide in combination with bortezomib and dexamethasone in patients who are not eligible for stem cell transplantation The SWOG S0777 study evaluated the addition of bortezomib to a foundation of lenalidomide and dexamethasone, as initial treatment, followed by continued Rd until disease progression, in patients with previously untreated multiple myeloma who are either ineligible for transplant or eligible for transplant with no plan to undertake immediate transplant. Patients in the lenalidomide, bortezomib and dexamethasone (RVd) arm received lenalidomide 25 mg/day orally on days 1-14, intravenous bortezomib 1.3 mg/m² on days 1, 4, 8, and 11, and dexamethasone 20 mg/day orally on days 1, 2, 4, 5, 8, 9, 11, and 12 of repeated 21-day cycles for up to eight 21-day cycles (24 weeks). Patients in the lenalidomide and dexamethasone (Rd) arm received lenalidomide 25 mg/day orally on days 1-21, and dexamethasone 40 mg/day orally on days 1, 8, 15, and 22 of repeated 28-day cycles for up to six 21-day cycles (24 weeks). Patients in both arms took continued Rd: lenalidomide 25 mg/day orally on days 1-21 and dexamethasone 40 mg/day orally on days 1, 8, 15, and 22 of repeated 28-day cycles. Treatment was to be continued until disease progression. The primary efficacy endpoint in the study was progression free survival (PFS). In total 523 patients were enrolled into the study, with 263 patients randomised to RVd and 260 patients randomised to Rd. The demographics and disease-related baseline characteristics of the patients were well balanced between arms. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg The results of PFS, as assessed by IRAC, at the time of the primary analysis, using a cut-off of 05 November 2015 (50.6 months follow up) showed a 24% reduction in risk of disease progression or death favouring RVd (HR = 0.76; 95% CI 0.61, 0.94; $p = 0.010$). The

median overall PFS was 42.5 months (95% CI 34.0, 54.8) in the RVd arm versus 29.9 months (95% CI 25.6, 38.2) in the Rd arm. The benefit was observed regardless of eligibility for stem cell transplant. The results for the study, using a cut-off of 01 December 2016, where the median follow-up time for all surviving subjects was 69.0 months, are presented in Table 8. The benefit favouring RVd was observed regardless of eligibility for stem cell transplant. Table 8. Summary of overall efficacy data

Initial treatment	RVd	Rd	(3-week cycles $\geq$ 8)	(4-week cycles 6)	(N = 263)	(N = 260)
IRAC-assessed PFS (months)	Mediana PFS time, months (95% CI)	b 41.7 (33.1, 51.5)	29.7 (24.2, 37.8)	c d	HR [95% CI]; p-value 0.76 (0.62, 0.94); 0.010	Overall survival (months)
Mediana OS time, months (95% CI)	b 89.1 (76.1, NE)	67.2 (58.4, 90.8)	c e	HR [95% CI]; p-value 0.72 (0.56, 0.94); 0.013	Responsef – n (%)	Overall response: CR, VGPR, or PR
199 (75.7)	170 (65.4)	$\geq$ VGPR	153 (58.2)	83 (31.9)	Follow-up (months)	Medianf (min, max): all patients
61.6 (0.2, 99.4)	59.4 (0.4, 99.1)	a	CI = confidence interval; HR = hazard ratio; max = maximum; min = minimum; NE = not estimable; OS = overall survival; PFS = progression-free survival; Median follow-up was calculated from the date of randomization. b The median is based on Kaplan-Meier estimate. c Two-sided 95% CI about the median time. d Based on unstratified Cox proportional hazards model comparing hazard functions associated with treatment arms (RVd:Rd). e The p-value is based on unstratified log-rank test. Data cutoff date = 01 Dec 2016. Updated OS results, using a cut-off of 01 May 2018 (84.2 months median follow-up for surviving			

subjects) continue to show an OS advantage favouring RVd: HR = 0.73 (95% CI 0.57, 0.94;

p=0.014). The proportion of subjects alive after 7 years was 54.7% in the RVd arm versus 44.7% in the Rd arm. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Lenalidomide in combination with dexamethasone in patients who are not eligible for stem cell transplantation The safety and efficacy of lenalidomide was assessed in a phase 3, multicentre, randomised, openlabel, 3-arm study (MM-020) of patients who were at least 65 years of age or older or, if younger than 65 years of age, were not candidates for stem cell transplantation because they declined to undergo stem cell transplantation or stem cell transplantation is not

available to the patient due to cost or other reason. The study (MM-020) compared lenalidomide and dexamethasone (Rd) given for 2 different durations of time (i.e., until progressive disease [Arm Rd] or for up to eighteen 28-day cycles [72 weeks, Arm Rd18]) to melphalan, prednisone and thalidomide (MPT) for a maximum of twelve 42-day cycles (72 weeks). Patients were randomised (1:1:1) to 1 of 3 treatment arms. Patients were stratified at randomisation by age (≤ 75 versus > 75 years), stage (ISS Stages I and II versus Stage III), and country. Patients in the Rd and Rd18 arms took lenalidomide 25 mg once daily on days 1 to 21 of 28-day cycles according to protocol arm. Dexamethasone 40 mg was dosed once daily on days 1, 8, 15, and 22 of each 28-day cycle. Initial dose and regimen for Rd and Rd18 were adjusted according to age and renal function (see section 4.2). Patients > 75 years received a dexamethasone dose of 20 mg once daily on days 1, 8, 15, and 22 of each 28-day cycle. All patients received prophylactic anticoagulation (low molecular weight heparin, warfarin, heparin, low-dose aspirin) during the study. The primary efficacy endpoint in the study was progression free survival (PFS). In total 1623 patients were enrolled into the study, with 535 patients randomised to Rd, 541 patients randomised to Rd18 and 547 patients randomised to MPT. The demographics and disease-related baseline characteristics of the patients were well balanced in all 3 arms. In general, study subjects had advanced-stage disease: of the total study population, 41% had ISS stage III, 9% had severe renal insufficiency (creatinine clearance [CLcr] < 30 mL/min). The median age was 73 in the 3 arms. In an updated analysis of PFS, PFS2 and OS using a cut off of 3 March 2014 where the median follow-up time for all surviving subjects was 45.5 months, the results of the study are presented

in Table 9:

Table 9. Summary of overall efficacy data Rd Rd18 MPT (N = 535) (N = 541) (N = 547) Investigator-assessed PFS (months) Mediana PFS time, months (95% 26.0 (20.7, 29.7) 21.0 (19.7, 22.4) 21.9 (19.8, 23.9) CI)^b HR [95% CI]^c; p-valued Rd vs MPT 0.69 (0.59, 0.80); < 0.001 BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Rd vs Rd18 0.71 (0.61, 0.83); < 0.001 Rd18 vs MPT 0.99 (0.86, 1.14); 0.866 PFS2^e (months) Mediana PFS2 time, months (95% 42.9 (38.1,

47.4) 40.0 (36.2, 44.2) 35.0 (30.4, 37.8) CI]b HR [95% CI]c; p-valued Rd vs MPT 0.74 (0.63, 0.86); <0.001 Rd vs Rd18 0.92 (0.78, 1.08); 0.316 Rd18 vs MPT 0.80 (0.69, 0.93); 0.004 Overall survival (months) Mediana OS time, months (95% CI)b 58.9 (56.0, NE) 56.7 (50.1, NE) 48.5 (44.2, 52.0) HR [95% CI]c; p-valued Rd vs MPT 0.75 (0.62, 0.90); 0.002 Rd vs Rd18 0.91 (0.75, 1.09); 0.305 Rd18 vs MPT 0.83 (0.69, 0.99); 0.034 Follow-up (months) Medianf (min, max): all patients 40.8 (0.0, 65.9) 40.1 (0.4, 65.7) 38.7 (0.0, 64.2) Myeloma responseg n (%) CR 81 (15.1) 77 (14.2) 51 (9.3) VGPR 152 (28.4) 154 (28.5) 103 (18.8) PR 169 (31.6) 166 (30.7) 187 (34.2) Overall response: CR, VGPR, or PR 402 (75.1) 397 (73.4) 341 (62.3) Duration of response (months)h Mediana (95% CI)b 35.0 (27.9, 43.4) 22.1 (20.3, 24.0) 22.3 (20.2, 24.9) AMT = antimyeloma therapy; CI = confidence interval; CR = complete response; d = low-dose dexamethasone; HR = hazard ratio; IMWG = International Myeloma Working Group; IRAC = Independent Response Adjudication Committee; M = melphalan; max = maximum; min = minimum; NE = not estimable; OS = overall survival; P = prednisone; PFS = progressionfree survival; PR = partial response; R = lenalidomide; Rd = Rd given until documentation of progressive disease; Rd18 = Rd given for ≥ 18 cycles; SE = standard error; T = thalidomide; VGPR = very good partial response; vs = versus. a The median is based on the Kaplan-Meier estimate. b The 95% CI about the median. c Based on Cox proportional hazards model comparing the hazard functions associated with the indicated treatment arms. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg d The p-value is based on the unstratified log-rank test of Kaplan-Meier curve differences between the indicated treatment arms. e Exploratory endpoint (PFS2) f The median is the univariate statistic without adjusting for censoring. g Best assessment of adjudicated response during the treatment phase of the study (for definitions of each response category, Data cut-off date = 24 May 2013). h data cut 24 May 2013 Lenalidomide in combination with melphalan and prednisone followed by maintenance therapy in patients who are not eligible for transplant The safety and efficacy of lenalidomide was assessed in a phase 3 multicentre, randomised double blind 3 arm study (MM-015) of patients who were 65 years or older and had a serum creatinine < 2.5 mg/dL. The study compared lenalidomide in combination with melphalan and prednisone (MPR) with or without lenalidomide maintenance

therapy until disease progression, to that of melphalan and prednisone for a maximum of 9 cycles. Patients were randomised in a 1:1:1 ratio to one of 3 treatment arms. Patients were stratified at randomisation by age (75 vs. > 75 years) and stage (ISS; Stages I and II vs. stage III). This study investigated the use of combination therapy of MPR (melphalan 0.18 mg/kg orally on days 1 to 4 of repeated 28-day cycles; prednisone 2 mg/kg orally on days 1 to 4 of repeated 28-day cycles; and lenalidomide 10 mg/day orally on days 1 to 21 of repeated 28-day cycles) for induction therapy, up to 9 cycles. Patients who completed 9 cycles or who were unable to complete 9 cycles due to intolerance proceeded to maintenance therapy starting with lenalidomide 10 mg orally on days 1 to 21 of repeated 28-day cycles until disease progression. The primary efficacy endpoint in the study was progression free survival (PFS). In total 459 patients were enrolled into the study, with 152 patients randomised to MPR+R, 153 patients randomised to MPR+p and 154 patients randomised to MPp+p. The demographics and disease-related baseline characteristics of the patients were well balanced in all 3 arms; notably, approximately 50% of the patients enrolled in each arm had the following characteristics; ISS Stage III, and creatinine clearance < 60 mL/min. The median age was 71 in the MPR+R and MPR+p arms and 72 in the MPp+p arm. In an analysis of PFS, PFS2, OS using a cut-off of April 2013 where the median follow up time for all surviving subjects was 62.4 months, the results of the study are presented in Table 10:

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Table 10. Summary of overall efficacy data MPR+R MPR+p MPp +p (N = 152) (N = 153) (N = 154) Investigator-assessed PFS (months) Mediana PFS time, months (95% CI) 13.1 (12.0, 14.8) 14.3 (13.2, 15.7)

CI) 14.8)

HR [95% CI]; p-value MPR+R vs MPp+p 0.37 (0.27, 0.50); <0.001 MPR+R vs MPR+p 0.47 (0.35, 0.65); <0.001 MPR+p vs MPp +p 0.78 (0.60, 1.01); 0.059 PFS2 (months) □ Mediana PFS2 time, months (95% CI) 28.8 (24.3, 33.8) 27.8 (23.1, 33.1)

CI) 33.8)

HR [95% CI]; p-value MPR+R vs MPp+p 0.70 (0.54, 0.92); 0.009 MPR+R vs MPR+p 0.77 (0.59, 1.02); 0.065 MPR+p vs MPp +p 0.92 (0.71, 1.19); 0.051 Overall survival (months) Mediana OS time, months (95% 53.9 (47.3, 55.9 (49.1, 67.5) 51.9 (43.1, 60.6)

CI) 64.2)

HR [95% CI]; p-value MPR+R vs MPp+p 0.95 (0.70, 1.29); 0.736 MPR+R vs MPR+p 0.88 (0.65, 1.20); 0.43 MPR+p vs MPp +p 1.07 (0.79, 1.45); 0.67 Follow-up (months) 50.4 (0.5, Median (min, max): all patients 48.4 (0.8, 73.8) 46.3 (0.5, 71.9) 73.3) Investigator-assessed Myeloma response n (%) CR 30 (19.7) 17 (11.1) 9 (5.8) PR 90 (59.2) 99 (64.7) 75 (48.7) Stable Disease (SD) 24 (15.8) 31 (20.3) 63 (40.9) Response Not Evaluable (NE) 8 (5.3) 4 (2.6) 7 (4.5) Investigator-assessed Duration of response (CR+PR) (months) 12.0 (9.4, Mediana (95% CI) 26.5 (19.4, 35.8) 12.4 (11.2, 13.9) 14.5) BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg CI = confidence interval; CR = complete response; HR = Hazard Rate; M = melphalan; NE = not estimable; OS = overall survival; p = placebo; P = prednisone; PD = progressive disease; PR = partial response; R = lenalidomide; SD = stable disease; VGPR = very good partial response. ^a The median is based on the Kaplan-Meier estimate □ PFS2 (an exploratory endpoint) was defined for all patients (ITT) as time from randomisation to start of 3rd line antimyeloma therapy (AMT) or death for all randomised patients Supportive newly diagnosed multiple myeloma studies An open-label, randomised, multicentre, phase 3 study (ECOG E4A03) was conducted in 445 patients with newly diagnosed multiple myeloma; 222 patients were randomised to the lenalidomide/low dose dexamethasone arm, and 223 were randomised to the lenalidomide/standard dose dexamethasone arm. Patients randomised to the lenalidomide/standard dose dexamethasone arm received lenalidomide 25 mg/day, days 1 to 21 every 28 days plus dexamethasone 40 mg/day on days 1 to 4, 9 to 12, and 17 to 20 every 28 days for the first four cycles. Patients randomised to the lenalidomide/low dose dexamethasone arm received lenalidomide 25 mg/day, days 1 to 21 every 28 days plus low dose dexamethasone – 40 mg/day on days 1, 8, 15, and 22 every 28 days. In the lenalidomide/low dose dexamethasone group, 20 patients (9.1%) underwent at least one dose interruption

compared to 65 patients (29.3%) in the lenalidomide/standard dose dexamethasone arm. In a post-hoc analysis, lower mortality was observed in the lenalidomide/low dose dexamethasone arm 6.8% (15/220) compared to the lenalidomide/standard dose dexamethasone arm 19.3% (43/223), in the newly diagnosed multiple myeloma patient population, with a median follow up of 72.3 weeks. However with a longer follow-up, the difference in overall survival in favour of lenalidomide/ low dose dexamethasone tends to decrease. Multiple myeloma with at least one prior therapy

The efficacy and safety of lenalidomide were evaluated in two phase 3 multicentre, randomised, doubleblind, placebo-controlled, parallel-group controlled studies (MM-009 and MM-010) of lenalidomide plus dexamethasone therapy versus dexamethasone alone in previously treated patients with multiple myeloma. Out of 353 patients in the MM-009 and MM-010 studies who received lenalidomide/dexamethasone, 45.6% were aged 65 or over. Of the 704 patients evaluated in the MM-009 and MM-010 studies, 44.6% were aged 65 or over. In both studies, patients in the lenalidomide/dexamethasone (len/dex) group took 25 mg of lenalidomide orally once daily on days 1 to 21 and a matching placebo capsule once daily on days 22 to 28 of each 28-day cycle. Patients in the placebo/dexamethasone (placebo/dex) group took 1 placebo capsule on days 1 to 28 of each 28-day cycle. Patients in both treatment groups took 40 mg of dexamethasone orally once daily on days 1 to 4, 9 to 12, and 17 to 20 of each 28-

BEACON PHARMACEUTICALS
LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule
Generic Name: Lenalidomide INN 25 mg day cycle for the first 4 cycles of therapy. The dose of dexamethasone was reduced to 40 mg orally once daily on days 1 to 4 of each 28-day cycle after the first 4 cycles of therapy. In both studies, treatment was to continue until disease progression. In both studies, dose adjustments were allowed based on clinical and laboratory finding. The primary efficacy endpoint in both studies was time to progression (TTP). In total, 353 patients were evaluated in the MM-009 study; 177 in the len/dex group and 176 in the placebo/dex group and, in total, 351 patients were evaluated in the MM-010 study; 176 in the len/dex group and 175 in the placebo/dex group. In both studies, the baseline demographic and disease-related characteristics were comparable between the len/dex and placebo/dex groups. Both patient populations presented a median age of 63 years, with a comparable male to female ratio. The ECOG performance status was

comparable between both groups, as was the number and type of prior therapies. Pre-planned interim analyses of both studies showed that len/dex was statistically significantly superior ($p < 0.00001$) to dexamethasone alone for the primary efficacy endpoint, TTP (median follow-up duration of 98.0 weeks). Complete response and overall response rates in the len/dex arm were also significantly higher than the placebo/dex arm in both studies. Results of these analyses subsequently led to an unblinding in both studies, in order to allow patients in the placebo/dex group to receive treatment with the len/dex combination. An extended follow-up efficacy analysis was conducted with a median follow-up of 130.7

weeks. Table 11 summarises the results of the follow-up efficacy analyses – pooled studies MM-

009 and MM-010. In this pooled extended follow-up analysis, the median TTP was 60.1 weeks (95% CI: 44.3, 73.1) in patients treated with len/dex (N = 353) versus 20.1 weeks (95% CI: 17.7, 20.3) in patients treated with placebo/dex (N = 351). The median progression free survival was 48.1 weeks (95% CI: 36.4, 62.1) in patients treated with len/dex versus 20.0 weeks (95% CI: 16.1, 20.1) in patients treated with placebo/dex. The median duration of treatment was 44.0 weeks (min: 0.1, max: 254.9) for len/dex and 23.1 weeks (min: 0.3, max: 238.1) for placebo/dex. Complete response (CR), partial response (PR) and overall response (CR+PR) rates in the len/dex arm remain significantly higher than in the placebo/dex arm in both studies. The median overall survival in the extended follow-up analysis of the pooled studies is 164.3 weeks (95% CI: 145.1, 192.6) in patients treated with len/dex versus 136.4 weeks (95% CI: 113.1, 161.7) in patients treated with placebo/dex. Despite the fact that 170 out of the 351 patients randomised to placebo/dex received lenalidomide after disease progression or after the studies were unblinded, the pooled analysis of overall survival demonstrated a statistically significant survival advantage for len/dex relative to placebo/dex (HR = 0.833, 95% CI = [0.687, 1.009], $p=0.045$). BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Table 11. Summary of results of efficacy analyses as of cut-off date for extended follow-up — pooled studies MM-009 and MM-010 (cut-offs 23 July 2008 and 2 March 2008, respectively) len/dex Endpoint placebo/dex(N=351) (N=353)

Time to event HR [95% CI], p-valuea Time to progression 60.1 [44.3, 0.350 [0.287, 0.426], p < Median [95% CI], 20.1 [17.7, 20.3] 73.1] 0.001 weeks Progression free 48.1 0.393 [0.326, 0.473], p < survival Median [95% 20.0 [16.1, 20.1] [36.4, 62.1] 0.001 CI], weeks Overall survival 164.3 Median [95% CI], [145.1, 136.4 [113.1, 161.7] 0.833 [0.687, 1.009], p = weeks 192.6] 75% 0.045 1-year Overall survival 82% rate Odds ratio [95% CI], p- Response rate valueb Overall response [n, %] 212 (60.1) 75 (21.4) 11 5.53 [3.97, 7.71], p < 0.001 Complete response [n, 58 (16.4) (3.1) 6.08 [3.13, 11.80], p < 0.001 %] a Two-tailed log rank test comparing survival curves between treatment groups. b Two-tailed continuity-corrected chi-square test.

Myelodysplastic syndromes The efficacy and safety of lenalidomide were evaluated in patients with transfusion-dependent anaemia due to low- or intermediate-1-risk myelodysplastic syndromes associated with a deletion 5q cytogenetic abnormality, with or without additional cytogenetic abnormalities, in two main studies: a phase 3, multicentre, randomised, double-blind, placebo-controlled, 3-arm study of two doses of oral lenalidomide (10 mg and 5 mg) versus placebo (MDS-004); and a phase 2, a multicentre, single-arm, open-label study of lenalidomide (10 mg) (MDS-003). The results presented below represent the intent-to-treat population studied in MDS-003 and MDS-004; with the results in the isolated Del (5q) sub-population also shown separately. In study MDS-004, in which 205 patients were equally randomised to receive lenalidomide 10 mg, 5 mg or placebo, the primary efficacy analysis consisted of a comparison of the transfusionindependence response rates of the 10 mg and 5 mg lenalidomide arms versus the placebo arm (double-blind phase 16 to 52 weeks and open-label up to a total of 156 weeks). Patients who did not have evidence of at least a minor erythroid response after 16 weeks were to be discontinued from treatment. Patients who had evidence of at least a minor erythroid response could continue therapy until erythroid relapse, disease progression or unacceptable toxicity. Patients, who initially received placebo or 5 mg lenalidomide and did not achieve at least a minor erythroid BEACON

PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg response after 16 weeks of treatment were permitted to switch from placebo to 5 mg lenalidomide or continue lenalidomide treatment at higher dose (5 mg to 10 mg). In, study MDS-003, in which 148 patients received lenalidomide at a dose of 10 mg, the primary

efficacy analysis consisted of an evaluation of the efficacy of lenalidomide treatments to achieve haematopoietic improvement in subjects with low- or intermediate-1 risk myelodysplastic syndromes. Table 12. Summary of efficacy results – studies MDS-004 (double-blind phase) and MDS-003, intent-to-treat population

Endpoint	MDS-004	MDS-003	N = 205	N = 148
Transfusion Independence	38 (55.1%)	24 (34.8%)	4 (6.0%)	86 (58.1%)
(≥ 182 days)	#	Transfusion Independence	42 (60.9%)	33 (47.8%)
5 (7.5%)	97 (65.5%)	(≥ 56 days)	#	Median Time to Transfusion

10 mg † 5 mg †† Placebo* 10 mg

N = 69 N = 69 N = 67 N = 148 Transfusion Independence 38 (55.1%) 24 (34.8%) 4 (6.0%) 86 (58.1%) (≥ 182 days) # Transfusion Independence 42 (60.9%) 33 (47.8%) 5 (7.5%) 97 (65.5%) (≥ 56 days) # Median Time to Transfusion

4.6 4.1 0.3 4.1

Independence (weeks) Median Duration of Transfusion Independence NR∞ NR NR 114.4 (weeks) Median Increase in Hgb,

6.4 5.3 2.6 5.6

g/dL † Subjects treated with lenalidomide 10 mg on 21 days of 28-day cycles †† Subjects treated with lenalidomide 5 mg on 28 days of 28-day cycles * The majority of patients on placebo discontinued the double-blind treatment for lack of efficacy after 16 weeks of treatment before entering the open-label phase # Associated with an increase in Hgb of ≥ 1g/dL ∞ Not reached (i.e. the median was not reached) In MDS-004, a significant larger proportion of patients with myelodysplastic syndromes achieved the primary endpoint of transfusion independence (>182 days) on lenalidomide 10 mg compared with placebo (55.1% vs. 6.0%). Amongst the 47 patients with an isolated Del (5q) cytogenetic abnormality and treated with lenalidomide 10 mg, 27 patients (57.4%) achieved red blood cell transfusion independence. The median time to transfusion independence in the lenalidomide 10 mg arm was 4.6 weeks. The median duration of transfusion independence was not reached in any of the treatment arms but should exceed 2 years for the lenalidomide-treated subjects. The median increase in haemoglobin (Hgb) from baseline in the 10 mg arm was 6.4 g/dL. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Additional endpoints of the study included cytogenetic response (in the 10 mg arm major and minor cytogenetic responses were

observed in 30.0% and 24.0% of subjects, respectively), assessment of Health Related Quality of Life (HRQoL) and progression to acute myeloid

leukaemia. Results of the cytogenetic response and HRQoL were consistent with the findings of

the primary endpoint and in favour of lenalidomide treatment compared to placebo. In MDS-003, a large proportion of patients with myelodysplastic syndromes achieved transfusion independence (>182 days) on lenalidomide 10 mg (58.1%). The median time to transfusion independence was 4.1 weeks. The median duration of transfusion independence was 114.4 weeks. The median increase in haemoglobin (Hgb) was 5.6 g/dL. Major and minor cytogenetic responses were observed in 40.9% and 30.7% of subjects, respectively. A large proportion of subjects enrolled in MDS-003 (72.9%) and MDS-004 (52.7%) had received prior erythropoiesis-stimulating agents. Mantle cell lymphoma The efficacy and safety of lenalidomide were evaluated in patients with mantle cell lymphoma in a phase 2, multicentre, randomised open-label study versus single agent of investigator's choice in patients who were refractory to their last regimen or had relapsed one to three times (study MCL-002). Patients who were at least 18 years of age with histologically-proven MCL and CT-measurable disease were enrolled. Patients were required to have received adequate previous treatment with at least one prior combination chemotherapy regimen. Also, patients had to be ineligible for intensive chemotherapy and/or transplant at time of inclusion in the study. Patients were randomised 2:1 to the lenalidomide or the control arm. The investigator's choice treatment was selected before randomisation and consisted of monotherapy with either chlorambucil, cytarabine, rituximab, fludarabine, or gemcitabine. Lenalidomide was administered orally 25 mg once daily for the first 21 days (D1 to D21) of repeating 28-day cycles until progression or unacceptable toxicity. Patients with moderate renal insufficiency were to receive a lower starting dose of lenalidomide 10 mg daily on the same schedule. The baseline demographic were comparable between the lenalidomide arm and control arm. Both patient populations presented a median age of 68.5 years with comparable male to female

ratio. The ECOG performance status was comparable between both groups, as was the number

of prior therapies. The primary efficacy endpoint in study MCL-002 was progression-free survival (PFS). The efficacy results for the Intent-to-Treat (ITT) population were assessed by the Independent Review Committee (IRC), and are presented in the table below.

BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

Table 13. Summary of efficacy results – study MCL-002, intent-to-treat population

	Lenalidomide Arm	Control Arm	N
PFS, mediana [95% CI] ^b (weeks)	37.6 [24.0, 52.6]	22.7 [15.9, 30.1]	170
Sequential HR [95% CI] ^e	0.61 [0.44, 0.84]		84
Sequential log-rank test, p-value	0.004		
Response ^a , n (%)			
Complete response (CR)	8 (4.7)	0 (0.0)	
Partial response (PR)	60 (35.3)	9 (10.7)	
Stable disease (SD) ^b	50 (29.4)	44 (52.4)	
Progressive disease (PD)	34 (20.0)	26 (31.0)	
Not done/Missing	18 (10.6)	5 (6.0)	
ORR (CR, CRu, PR), n (%) [95% CI] ^c	68 (40.0) [32.58, 47.78]	9 (10.7) ^d [5.02, 19.37]	
p-value ^e	< 0.001	0 (0.0) [95.70, CRR (CR, CRu), n (%) [95% CI] ^c	
8 (4.7) [2.05, 9.06]		100.00]	
p-value ^e	0.043		
Duration of Response, mediana [95% CI] (weeks)	69.6 [41.1, 86.7]	45.1 [36.3, 80.9]	
Overall Survival HR [95% CI] ^c	0.89 [0.62, 1.28]		
Log-rank test, p-value	0.520		

CI = confidence interval; CRR = complete response rate; CR = complete response; CRu = complete response unconfirmed; DMC = Data Monitoring Committee; ITT = intent-to-treat; HR = hazard ratio; KM = Kaplan-Meier; MIPI = Mantle Cell Lymphoma International Prognostic Index; NA = not applicable; ORR = overall response rate; PD = progressive disease; PFS = progression-free survival; PR= partial response; SCT = stem cell transplantation; SD = stable disease; SE = standard error. a The median was based on the KM estimate. b Range was calculated as 95% CIs about the median survival time. c The mean and median are the univariate statistics without adjusting for censoring. d The stratification variables included time from diagnosis to first dose (< 3 years and ≥ 3 years), time from last prior systemic anti-lymphoma therapy to first dose (< 6 months and ≥ 6 months), prior SCT (yes or no), and MIPI at baseline (low, intermediate, and high risk). e Sequential test was based on a weighted mean of a log-rank test statistic using the unstratified log-rank test for sample size increase and the unstratified log-rank test of the primary analysis.

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The weights are based on observed events at the time the third DMC meeting was held and based on the difference between observed and

expected events at the time of the primary analysis. The associated sequential HR and the corresponding 95% CI are presented. In study MCL-002 in the ITT population, there was an overall apparent increase in deaths within 20 weeks in the lenalidomide arm 22/170 (13%) versus 6/84 (7%) in the control arm. In patients with high tumour burden, corresponding figures were 16/81 (20%) and 2/28 (7%).

Follicular lymphoma AUGMENT - CC-5013-NHL-007 The efficacy and safety of lenalidomide in combination with rituximab versus rituximab plus placebo was evaluated in patients with relapsed/refractory iNHL including FL in a phase 3, multicentre, randomised, double-blind controlled study (CC-5013-NHL-007 [AUGMENT]). A total of 358 patients who were at least 18 years of age with histologically confirmed MZL or Grade 1, 2 or 3a FL (CD20+ by flow cytometry or histochemistry) as assessed by the investigator or local pathologist were randomised in a 1:1 ratio. Subjects had been previously treated with at least one prior systemic chemotherapy, immunotherapy or chemoimmunotherapy. Lenalidomide was administered orally 20 mg once daily for the first 21 days of repeating 28-day cycles for 12 cycles or until unacceptable toxicity. The dose of rituximab was 375 mg/m² every week in Cycle 1 (days 1, 8, 15, and 22) and on day 1 of every 28-day cycle from cycles 2 through

5. All dosage calculations for rituximab were based on the patient's body surface area (BSA),

using actual patient weight. The demographic and disease-related baseline characteristics were similar across the 2 treatment groups. The primary objective of the study was to compare the efficacy of lenalidomide in combination with rituximab to rituximab plus placebo in subjects with relapsed/refractory FL Grade 1, 2 or 3a or MZL. Efficacy determination was based upon PFS as the primary endpoint, as assessed by the IRC using the 2007 International Working Group (IWG) criteria but without positron emission tomography (PET). The secondary objectives of the study were to compare the safety of lenalidomide in combination with rituximab versus rituximab plus placebo. Further secondary objectives were to compare the efficacy of rituximab plus lenalidomide versus rituximab plus placebo using the following other parameters of efficacy: Overall response rate (ORR), CR rate, and duration of response (DoR) by IWG 2007 without PET and OS. Results from the overall

population including FL and MZL showed that at a median follow up of 28.3 months, the study met its primary endpoint of PFS with a hazard ratio (HR) (95% confidence interval [CI]) of 0.45 (0.33,0.61) p-value < 0.0001. The efficacy results from the follicular lymphoma population are presented in Table 14. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Table 14: Summary of follicular lymphoma efficacy data- Study CC-5013-NHL-007 FL (N = 295) Lenalidomide and Rituximab Placebo and Rituximab (N = 147) (N = 148) Progression-free survival (PFS) (EMA Censoring Rules) Median PFS a (95% CI) 39.4 13.8

(months) (25.1, NE) (11.2, 16.0)

b HR [95% CI] 0.40 (0.29, 0.55) p-value < 0.0001 c Objective responded (CR +PR), n (%) 118 (80.3) 82 (55.4) (IRC, 2007 (72.9, 86.4) (47.0, 63.6) IWGRC) 95 % CI f Complete responded, n (%) (IRC, 2007 51 (34.7) 29 (19.6) IWGRC) (27.0, 43.0) (13.5, 26.9) 95 % CI f Duration of responded

(median) 36.6 15.5

(months) (24.9, NE) (11.2, 25.0)

95% CI a Overall Survival d, e (OS) OS rate at 2 years 139 (94.8) 127 (85.8) % (89.5, 97.5) (78.5, 90.7) HR [95% CI] 0.45 (0.22, 0.92) b Follow-up Median duration of follow- 29.2 27.9 up (min, max) (months) (0.5, 50.9) (0.6, 50.9) b ^a Median estimate from Kaplan-Meier analysis Hazard ratio and its confidence interval were estimated from unstratified Cox proportional hazard model. c P-value from log-rank test d Secondary and exploratory endpoints are not α -controlled e With a median follow up of 28.6 months, there were 11 deaths in the R2 arm and 24 deaths in the Control Arm. f Exact confidence interval for binomial distribution. Follicular lymphoma for patients refractory to Rituximab MAGNIFY - CC-5013-NHL-008 A total of 232 subjects who were at least 18 years of age with histologically confirmed FL (Grade 1, 2, 3a or MZL), as assessed by the investigator or local pathologist, were enrolled into the initial treatment period with 12 cycles of lenalidomide plus rituximab. Subjects who achieved CR/CRu, PR, or SD by the end of the induction treatment period were randomised to enter the BEACON PHARMACEUTICALS LIMITED Bhaluka,

Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg maintenance treatment period. All enrolled subjects must have previously been treated with at least one prior systemic antilymphoma therapy. In contrast to study NHL-007, the NHL-008 study included patients who were refractory to rituximab (no response or relapsed within 6 months of rituximab treatment or who were double-refractory to rituximab and chemotherapy). During the induction treatment period, lenalidomide 20 mg was given on Days 1-21 of repeated 28-day cycles for up to 12 cycles or until unacceptable toxicity, or withdrawal of consent or disease progression. The dose of rituximab was 375 mg/m² every week in Cycle 1 (Days 1, 8, 15, and 22) and on Day 1 of every other 28-day cycle (cycles 3, 5, 7, 9, and 11) up to 12 cycles

therapy. All dosage calculations for rituximab were based on the patient body surface area (BSA)

and actual weight. The data presented are based on an interim analysis focusing on the single-arm induction treatment period.. Efficacy determinations are based on ORR by best response as the primary endpoint, using a modification of the 1999 International Working Group Response Criteria (IWGRC). The secondary objective was to evaluate other parameters of efficacy, such as DoR. Table 15: Summary of overall efficacy data (InductionTreatment Period) - Study CC-5013- NHL-008 All Subjects FL Subjects Rituximab Rituximab Rituximab Rituximab

Total Refractory: Refractory: Total Refractory: Refractory:

N=187 a Yes No N=148 Yes No N=77 N=110 N=60 N=88 ORR, n (%) 104 127 (67.9) 45 (58.4) 82 (75.2) 35 (58.3) 69 (79.3) (CR+CRu+PR) (70.3) CRR, n (%) 79 (42.2) 27 (35.1) 52 (47.7) 62 (41.9) 20 (33.3) 42 (48.3) (CR+Cru) Number of N=127 N=45 N=82 N=104 N=35 N=69 Responders % of Subjects 93.0 90.4 94.5 94.3 96.0 93.5 with DoR b (85.1, (73.0, (83.9, (85.5, (74.8, (81.0, ≥ 6 months (95% 96.8) 96.8) 98.2) 97.9) 99.4) 97.9)

CI) c

79.1 73.3 82.4 79.5 73.9 81.7 % of Subjects (67.4, (51.2, (67.5, (65.5, (43.0, (64.8, with DoR b 87.0) 86.6) 90.9) 88.3) 89.8) 91.0) BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule

Generic Name: Lenalidomide INN 25 mg $\geq$ 12 months (95% CI) c CI = confidence interval; DOR = duration of response; FL = follicular lymphoma a Primary Analysis Population for this study is induction efficacy evaluable (IEE) population. b Duration of response is defined as the time (months) from the initial response (at least PR) to documented disease progression or death, whichever occurs first. c Statistics obtained from Kaplan-Meier method. 95% CI is based on Greenwood formula. Notes: The analysis is only performed for subjects who have achieved PR or better after the first dose date of induction therapy and prior to any Maintenance Period treatment and any subsequent anti-lymphoma therapy in Induction Period. Percentage is based on the total number of responders. Paediatric population The European Medicines Agency (EMA) has granted a product-specific waiver for Lenalidomide that applies to all subsets of the paediatric population for mature B-cell neoplasm conditions.

5.2 Pharmacokinetic properties

Lenalidomide has an asymmetric carbon atom and can therefore exist as the optically active forms S(-) and R(+). Lenalidomide is produced as a racemic mixture. Lenalidomide is generally more soluble in organic solvents but exhibits the greatest solubility in 0.1N HCl buffer. Absorption Lenalidomide is rapidly absorbed following oral administration in healthy volunteers, under fasting conditions, with maximum plasma concentrations occurring between 0.5 and 2 hours post-dose. In patients, as well as in healthy volunteers, the maximum concentration (C_{max}) and area-under-the-concentration time curve (AUC) increase proportionally with increases in dose. Multiple dosing does not cause marked medicinal product accumulation. In plasma, the relative exposures of the S- and R- enantiomers of lenalidomide are approximately 56% and 44%, respectively. Co-administration with a high-fat and high-calorie meal in healthy volunteers reduces the extent of absorption, resulting in an approximately 20% decrease in area under the concentration versus time curve (AUC) and 50% decrease in C_{max} in plasma. However, in the main multiple myeloma and myelodysplastic syndromes registration trials where the efficacy and safety were established for lenalidomide, the medicinal product was administered without regard to food intake. Thus, lenalidomide can be administered with or without food. Population pharmacokinetic analyses indicate that the oral absorption

rate of lenalidomide is similar among MM, MDS and MCL patients. BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg Distribution In vitro (14C)-lenalidomide binding to plasma proteins was low with mean plasma protein binding at 23% and 29% in multiple myeloma patients and healthy volunteers, respectively. Lenalidomide is present in human semen (< 0.01% of the dose) after administration of 25 mg/day and the medicinal product is undetectable in semen of a healthy subject 3 days after stopping the substance. Biotransformation and elimination Results from human in vitro metabolism studies indicate that lenalidomide is not metabolised by cytochrome P450 enzymes suggesting that administration of lenalidomide with medicinal products that inhibit cytochrome P450 enzymes is not likely to result in metabolic medicinal product interactions in humans. In vitro studies indicate that lenalidomide has no inhibitory effect on CYP1A2, CYP2C9, CYP2C19, CYP2D6, CYP2E1, CYP3A, or UGT1A1. Therefore, lenalidomide is unlikely to cause any clinically relevant medicinal product interactions when coadministered with substrates of these enzymes. In vitro studies indicate that lenalidomide is not a substrate of human breast cancer resistance protein (BCRP), multidrug resistance protein (MRP) transporters MRP1, MRP2, or MRP3, organic anion transporters (OAT) OAT1 and OAT3, organic anion transporting polypeptide 1B1 (OATP1B1), organic cation transporters (OCT) OCT1 and OCT2, multidrug and toxin extrusion protein (MATE) MATE1, and organic cation transporters novel (OCTN) OCTN1 and OCTN2. In vitro studies indicate that lenalidomide has no inhibitory effect on human bile salt export pump (BSEP), BCRP, MRP2, OAT1, OAT3, OATP1B1, OATP1B3, and OCT2. A majority of lenalidomide is eliminated through urinary excretion. The contribution of renal excretion to total clearance in subjects with normal renal function was 90%, with 4% of lenalidomide eliminated in faeces. Lenalidomide is poorly metabolized as 82% of the dose is excreted unchanged in urine. Hydroxylenalidomide and N-acetyl-lenalidomide represent 4.59% and 1.83% of the excreted dose, respectively. The renal clearance of lenalidomide exceeds the glomerular filtration rate and therefore is at least actively secreted to some extent. At doses of 5 to 25 mg/day, half-life in plasma is approximately 3 hours in healthy volunteers and ranges from 3 to 5 hours in patients with multiple myeloma, myelodysplastic syndromes or mantle cell

lymphoma. Older people No dedicated clinical studies have been conducted to evaluate pharmacokinetics of lenalidomide in the elderly. Population pharmacokinetic analyses included patients with ages ranging from 39 to 85 years old and indicate that age does not influence lenalidomide clearance BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg (exposure in plasma). Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection and it would be prudent to monitor renal function. Renal impairment The pharmacokinetics of lenalidomide was studied in subjects with renal impairment due to nonmalignant conditions. In this study, two methods were used to classify renal function: the urinary creatinine clearance measured over 24 hours and the creatinine clearance estimated by Cockcroft-Gault formula. The results indicate that as renal function decreases (< 50 mL/min), the total lenalidomide clearance decreases proportionally resulting in an increase in AUC. The AUC was increased by approximately 2.5, 4 and 5-fold in subjects with moderate renal impairment, severe renal impairment, and end-stage renal disease, respectively, compared to the group combining subjects with normal renal function and subjects with mild renal impairment. The half-life of lenalidomide increased from approximately 3.5 hours in subjects with creatinine clearance > 50 mL/min to more than 9 hours in subjects with reduced renal function < 50 mL/min. However, renal impairment did not alter the oral absorption of lenalidomide. The C_{max} was similar between healthy subjects and patients with renal impairment. Approximately 30% of the medicinal product in the body was removed during a single 4-hour dialysis session. Hepatic impairment Population pharmacokinetic analyses included patients with mild hepatic impairment ($N=16$, total bilirubin >1 to $\leq 1.5 \times$ ULN or AST $> ULN$) and indicate that mild hepatic impairment does not influence lenalidomide clearance (exposure in plasma). There are no data available for patients with moderate to severe hepatic impairment. Other intrinsic factors Population pharmacokinetic analyses indicate that body weight (33- 135 kg), gender, race and type of haematological malignancy (MM, MDS or MCL) do not have a clinically relevant effect on lenalidomide clearance in adult patients.

5.3 Preclinical safety data

An embryofoetal development study has been conducted in monkeys administered lenalidomide at doses from 0.5 and up to 4 mg/kg/day. Findings from this study indicate that lenalidomide produced external malformations including non-patent anus and malformations of upper and lower extremities (bent, shortened, malformed, malrotated and/or absent part of the extremities, oligo and/or polydactyly) in the offspring of female monkeys who received the active substance during pregnancy. Various visceral effects (discoloration, red foci at different organs, small colourless mass above atrioventricular valve, small gall bladder, malformed diaphragm) were also observed in single foetuses. Lenalidomide has a potential for acute toxicity; minimum lethal doses after oral administration were > 2000 mg/kg/day in rodents. Repeated oral administration of 75, 150 and 300 mg/kg/day BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg to rats for up to 26 weeks produced a reversible treatment-related increase in kidney pelvis mineralisation in all 3 doses, most notably in females. The no observed adverse effect level

(NOAEL) was considered to be less than 75 mg/kg/day, and is approximately 25-fold greater

than the human daily exposure based on AUC exposure. Repeated oral administration of 4 and

6 mg/kg/day to monkeys for up to 20 weeks produced mortality and significant toxicity (marked

weight loss, reduced red and white blood cell and platelet counts, multiple organ haemorrhage, gastrointestinal tract inflammation, lymphoid, and bone marrow atrophy). Repeated oral administration of 1 and 2 mg/kg/day to monkeys for up to 1 year produced reversible changes in bone marrow cellularity, a slight decrease in myeloid/erythroid cell ratio and thymic atrophy. Mild suppression of white blood cell count was observed at 1 mg/kg/day corresponding to approximately the same human dose based on AUC comparisons. In vitro (bacterial mutation, human lymphocytes, mouse lymphoma, Syrian Hamster Embryo cell transformation) and in vivo (rat micronucleus) mutagenicity studies revealed no drug related effects at

either the gene or chromosomal level. Carcinogenicity studies with lenalidomide have not been conducted. Developmental toxicity studies were previously conducted in rabbits. In these studies, rabbits were administered 3, 10 and 20 mg/kg/day orally. An absence of the intermediate lobe of the lung was observed at 10 and 20 mg/kg/day with dose dependence and displaced kidneys were observed at 20 mg/kg/day. Although it was observed at maternotoxic levels they may be attributable to a direct effect. Soft tissue and skeletal variations in the foetuses were also observed at 10 and 20 mg/kg/day.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Croscarmellose Sodium Sodium Lauryl Sulphate Magnesium Stearate Colloidal Anhydrous Silica (Aerosil 200) Anhydrous Lactose Hard Gelatin Capsule Shell

6.2 Incompatibilities

Not applicable

6.3 Shelf life

03 years BEACON PHARMACEUTICALS LIMITED Bhaluka, Mymensingh, Bangladesh Product Name: Linamide 25 Capsule Generic Name: Lenalidomide INN 25 mg

6.4 Special precautions for storage

Store in a cool and dry place, away from light. Keep out of the reach of Children.

6.5 Nature and contents of container

Primary Packaging: Alu-Alu Blister Secondary Packaging: Paper board carton Pack size: 3 × 6's Capsules in Box

6.6 Special precautions for disposal and other handling

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

7. MARKETING AUTHORISATION HOLDER

CORPORATE OFFICE Beacon Business Center 9/B/2, Toyenbee Circular Road,
Motijheel, Dhaka- 1223, Bangladesh Tel: +880-2-5716371-76, Fax: 880-2-
57165379 E-mail: beacon@beaconpharma.com.bd Website: www.
beaconpharma.com.bd FACTORY Bhaluka, Mymensingh, Bangladesh

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H2022/CTD8988/20171

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

2022 September 01

10. DATE OF REVISION OF THE TEXT

2022 September 01