

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use BOSAYA safely and effectively. See full prescribing information for BOSAYA.

BOSAYA™ (denosumab-kyyq) injection, for subcutaneous use
Initial U.S. Approval: 2025

BOSAYA™ (denosumab-kyyq) is biosimilar* to PROLIA® (denosumab).

WARNING: SEVERE HYPOCALCEMIA IN PATIENTS WITH ADVANCED KIDNEY DISEASE
See full prescribing information for complete boxed warning.

- Patients with advanced chronic kidney disease are at greater risk of severe hypocalcemia following denosumab products administration. Severe hypocalcemia resulting in hospitalization, life-threatening events and fatal cases have been reported. (5.1)
- The presence of chronic kidney disease-mineral bone disorder (CKD-MBD) markedly increases the risk of hypocalcemia. (5.1)
- Prior to initiating Bosaya in patients with advanced chronic kidney disease, evaluate for the presence of CKD-MBD. Treatment with Bosaya in these patients should be supervised by a healthcare provider with expertise in the diagnosis and management of CKD-MBD. (2.2, 5.1)

INDICATIONS AND USAGE

- Bosaya is a RANK ligand (RANKL) inhibitor indicated for treatment of postmenopausal women with osteoporosis at high risk for fracture. (1.1)
- To increase bone mass in men with osteoporosis at high risk for fracture. (1.2)
- To reduce the risk of osteoporosis-induced fractures in men and women at high risk for fracture. (1.3)
- To increase bone mass in men at high risk for fracture receiving androgen deprivation therapy for nonmetastatic prostate cancer. (1.4)

DOSAGE AND ADMINISTRATION

- Pregnancy must be ruled out prior to administration of Bosaya. (2.1)
- Before initiating Bosaya in patients with advanced chronic kidney disease, including dialysis patients, evaluate for the presence of chronic kidney disease mineral and bone disorder with parathyroid hormone, serum calcium, 25(OH) vitamin D, and 1,25(OH)₂ vitamin D. (2.2, 5.1, 8.6)
- Bosaya should be administered by a healthcare provider. (2.3)
- Administer 60 mg every 6 months as a subcutaneous injection in the upper arm, upper thigh, or abdomen. (2.3)
- Instruct patients to take calcium 1000 mg daily and at least 400 IU vitamin D daily. (2.3)

DOSAGE FORMS AND STRENGTHS

- Injection: 60 mg/mL solution in a single-dose prefilled syringe. (3)

CONTRAINDICATIONS

- Hypocalcemia (4.5.1)
- Pregnancy (4.8.1)
- Known hypersensitivity to denosumab products (4.5.3)

WARNINGS AND PRECAUTIONS
• Hypocalcemia: Pre-existing hypocalcemia must be corrected before initiating Bosaya. May worsen, especially in patients with renal impairment. Adequately supplement all patients with calcium and vitamin D. (2.2)

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FULL PRESCRIBING INFORMATION

WARNING: SEVERE HYPOCALCEMIA IN PATIENTS WITH ADVANCED KIDNEY DISEASE
• Patients with advanced chronic kidney disease (eGFR <30 mL/min/1.73 m²), including dialysis-dependent patients, are at greater risk of severe hypocalcemia following denosumab products administration. Severe hypocalcemia resulting in hospitalization, life-threatening events, and fatal cases have been reported. (2.2) (5.1)

- The presence of chronic kidney disease-mineral bone disorder (CKD-MBD) markedly increases the risk of hypocalcemia in these patients (see *Warnings and Precautions* (5.1)).
- Prior to initiating Bosaya in patients with advanced chronic kidney disease, evaluate for the presence of CKD-MBD. Treatment with Bosaya in these patients should be supervised by a healthcare provider with expertise in the diagnosis and management of CKD-MBD (see *Dosage and Administration* (2.2) and *Warnings and Precautions* (5.1)).

1 INDICATIONS AND USAGE

- 1.1 Treatment of Postmenopausal Women with Osteoporosis at High Risk for Fracture

Bosaya is indicated for the treatment of postmenopausal women with osteoporosis at high risk for fracture, defined as a history of osteoporotic fracture or multiple risk factors for fracture or patients who have failed or are intolerant to other available osteoporosis therapy. In postmenopausal women with osteoporosis, denosumab reduces the incidence of vertebral, nonvertebral, and hip fractures [see *Clinical Studies* (14.1)].

1.2 Treatment to Increase Bone Mass in Men with Osteoporosis

Bosaya is indicated for treatment to increase bone mass in men with osteoporosis at high risk for fracture, defined as a history of osteoporotic fracture or multiple risk factors for fracture or patients who have failed or are intolerant to other available osteoporosis therapy [see *Clinical Studies* (14.2)].

1.3 Treatment of Glucocorticoid-Induced Osteoporosis

Bosaya is indicated for the treatment of glucocorticoid-induced osteoporosis in men and women at high risk of fracture who are either initiating or continuing systemic glucocorticoids in a daily dosage equivalent to 7.5 mg or greater of prednisone and expected to remain on glucocorticoids for at least 6 months. High risk of fracture is defined as a history of osteoporotic fracture, multiple risk factors for fracture, or patients who have failed or are intolerant to other available osteoporosis therapy [see *Clinical Studies* (14.3)].

1.4 Treatment of Bone Loss in Men Receiving Adjuvant Aromatase Inhibitor Therapy for Breast Cancer

Bosaya is indicated as a treatment to increase bone mass in men at high risk for fracture receiving androgen deprivation therapy (ADT) for nonmetastatic prostate cancer. In these patients denosumab also reduced the incidence of vertebral fractures [see *Clinical Studies* (14.4)].

1.5 Treatment of Bone Loss in Women Receiving Adjuvant Aromatase Inhibitor Therapy for Breast Cancer

Bosaya is indicated as a treatment to increase bone mass in women at high risk for fracture receiving adjuvant aromatase inhibitor therapy for breast cancer [see *Clinical Studies* (14.5)].

2 DOSAGE AND ADMINISTRATION

2.1 Pregnancy Testing Prior to Initiation of Bosaya

Pregnancy must be ruled out prior to administration of Bosaya. Perform pregnancy testing in all females of reproductive potential prior to administration of Bosaya. Based on findings in animals, denosumab products can cause fetal harm when administered to pregnant women [see *Use in Specific Populations* (8.1, 8.3)].

2.2 Laboratory Testing in Patients with Advanced Chronic Kidney Disease Prior to Initiation of Bosaya

In patients with advanced chronic kidney disease (i.e., estimated glomerular filtration rate [eGFR] <30 mL/min/1.73 m²), including dialysis-dependent patients, evaluate for the presence of chronic kidney disease mineral and bone disorder (CKD-MBD) with intact parathyroid hormone (PTH), serum calcium, 25(OH) vitamin D, and 1,25(OH)₂ vitamin D prior to decisions regarding Bosaya treatment. Consider also assessing bone turnover status (serum markers of bone turnover or bone biopsy) to evaluate the underlying bone disease that may be present. Monitor serum calcium weekly for the first month after Bosaya administration and monthly thereafter. Instruct all patients with advanced chronic kidney disease to avoid dialysis and, if dialysis is required, inform the physician about the importance of maintaining serum calcium levels with adequate calcium and activated vitamin D supplementation. Treatment with Bosaya in these patients should be supervised by a healthcare provider who is experienced in diagnosis and management of CKD-MBD.

2.3 Recommended Dosage

Bosaya should be administered by a healthcare provider.

The recommended dose of Bosaya is 60 mg administered as a single subcutaneous injection once every 6 months. Administer Bosaya via subcutaneous injection in the upper arm, the upper thigh, or the abdomen. All patients should receive calcium 1000 mg daily and at least 400 IU vitamin D daily [see *Warnings and Precautions* (5.1)].

If a dose of Bosaya is missed, administer the injection as soon as the patient is available. Thereafter, schedule injections every 6 months from the date of the last injection.

2.4 Preparation and Administration

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit. Bosaya is a clear to slightly opalescent, colorless to pale yellow solution. Do not use if the solution is discolored or cloudy or if the solution contains visible

- vitamin D. Concomitant use of calcimimetic drugs may also worsen hypocalcemia risk. Evaluate for presence of chronic kidney disease mineral-bone disorder. Monitor serum calcium. (5.1)
- Same Active Ingredient: Patients receiving Bosaya should not receive other denosumab products concomitantly. (5.2)
- Hypersensitivity: including anaphylactic reactions may occur. Discontinue permanently if a clinically significant reaction occurs. (5.3)
- Osteonecrosis of the jaw: Has been reported with denosumab products. Monitor for symptoms. (5.4)
- Atypical femoral fractures: Have been reported. Evaluate patients with thigh or groin pain to rule out a femoral fracture. (5.5)
- Multiple vertebral fractures: have been reported following treatment discontinuation. Patients should be transitioned to another antiresorptive agent if Bosaya is discontinued. (5.6)
- Serious infections including skin infections: May occur, including those leading to hospitalization. Advise patients to seek prompt medical attention if they develop signs or symptoms of infection, including cellulitis. (5.7)
- Dermatologic reactions: Dermatitis, rashes, and eczema have been reported. Consider discontinuing Bosaya if severe symptoms develop. (5.8)
- Severe bone, joint, muscle pain may occur. Discontinue use if severe symptoms develop. (5.9)
- Suppression of bone turnover: Significant suppression has been demonstrated. Monitor for consequences of bone over-suppression. (5.10)

ADVERSE REACTIONS

- Postmenopausal osteoporosis: Most common adverse reactions (> 5% and more common than placebo) were: back pain, in extremity, hypercholesterolemia, musculoskeletal pain, and cystitis. (5.1)
- Male osteoporosis: Most common adverse reactions (> 5% and more common than placebo) were: back pain, arthralgia, and nasopharyngitis. (6.1)
- Glucocorticoid-induced osteoporosis: Most common adverse reactions (> 3% and more common than active-control group) were: back pain, hypertension, bronchitis, and headache. (6.1)
- Bone loss: high risk and for cancer: Most common adverse reactions (> 10% and more common than placebo) were: arthralgia and back pain. Pain in extremity and musculoskeletal pain have also been reported in clinical trials. (6.1)

INDICATIONS AND USAGE

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