

muscle twitching, muscle spasms, severe diarrhea, constipation

- To continue with dietary recommendations, including calcium, vit D
- To obtain an analgesic from provider for bone pain, which may occur rapidly or within months
- That if nausea, vomiting occur, small, frequent meals may help
- To report vision symptoms: blurred vision, edema, inflammation
- To exercise regularly, stop smoking, decrease alcohol intake
- To notify health care professional of osteonecrosis of the jaw, after dental procedures, pain, draining, swell, to notify dentist before dental procedures
- To take PO first thing in AM at least 60 min before other medications, food, beverages; to take monthly dose on same day; that if IV dose is missed, to reschedule as soon as able and to reschedule subsequent doses on new time schedule; not to receive IV dose more than once in 3 mo
- To sit upright for ≥ 60 min after PO to prevent irritation; to swallow tab whole, not to chew or suck
- To report whether pregnancy is planned or suspected or if planning to breastfeed

HIGH ALERT

ibrutinib

(eye-broo'ti-nib)

Imbruvica

Func. class.: Antineoplastic-biologic response modifier

Chem. class.: Signal transduction inhibitor (STIs)—kinase inhibitor

ACTION: Irreversible inhibitor of Bruton's tyrosine kinases in B cells responsible for tumor growth

USES: Recurrent mantle cell lymphoma in patients who have received at least 1 prior treatment, Waldenström macroglobulinemia, chronic lymphocytic leukemia (CLL)

CONTRAINDICATIONS: Pregnancy, breastfeeding, hypersensitivity

Precautions: Children, geriatric patients, active infections, anticoagulant therapy (3×140 -mg caps once daily until disease progression), bleeding, hepatic/renal disease, neutropenia, surgery

DOSAGE AND ROUTES

CLL, small lymphocytic lymphoma, Waldenström macroglobulinemia

- **Adult:** PO 420 mg/day

Mantle cell lymphoma in patients who have not received at least 1 prior treatment

- **Adult:** PO 560 mg (4×140 -mg caps) daily

Dosage adjustment for \geq grade 3 nonhematologic toxicities, \geq grade 3 neutropenia with infection or fever, or grade 4 hematologic toxicities: Interrupt therapy; resume upon recovery to grade 1 or baseline as indicated below:

- **First occurrence:** Resume dosing at original dose (daily dose = 560 mg/day)
- **Second occurrence:** Reduce dose by 1 capsule (daily dose = 420 mg/day)
- **Third occurrence:** Reduce dose by 2 capsules (daily dose = 280 mg/day)
- **Fourth occurrence:** Discontinue

Available forms: Caps 140 mg

Administer:

- At same time of day with water; if dose is missed, take as soon as possible on same day, do not double
- Do not open, break, chew cap
- Use safe handling procedures
- Store at room temperature, avoid moisture

SIDE EFFECTS

CNS: Fatigue, fever

CV: Hypertension, **atrial fibrillation**, peripheral edema

EENT: Sinusitis

GI: Nausea, vomiting, dyspepsia, anorexia, abdominal pain, constipation, stomatitis, diarrhea, **GI bleeding**

GU: Increased serum creatinine, UTI, **renal failure**