



LEB DTU Zoledronic Acid Infusion Plan

Initiate Orders Phase

Care Sets/Protocols/PowerPlans

- Initiate Powerplan Phase
Phase: *LEB DTU Zoledronic Acid Infusion Phase, When to Initiate:* _____

LEB DTU Zoledronic Acid Infusion Phase

Admission/Transfer/Discharge

- Patient Status Initial Outpatient
T;N Admitting Physician: _____
Reason for Visit: *Treatment of metabolic bone disease.*
Bed Type: _____ Specific Unit: *DTU*
Care Team: _____ Anticipated LOS: *2 midnights or more*
- Discharge Instructions
Other Instructions: After the infusion is complete and the patient is feeling well with stable vital signs, may remove IV and discharge patient home from the DTU.
- Discharge Instructions
Other Instructions: Instruct patient to continue the calcitriol and calcium for 1 week after infusion and then can discontinue.

Vital Signs

- Vital Signs
Monitor and Record Pulse | Resp Rate, Monitor heart rate and resp rate: Baseline at (0min) and q15min for first hour and then q1h until infusion is completed. No routine blood pressure measurements due to risk of fracture unless otherwise notified.
- Vital Signs
Monitor and Record Temp, Monitor temperature: Baseline at (0min) and when infusion is complete (60 min). No routine blood pressure measurements due to risk of fracture unless otherwise notified.

Patient Care

- Weight
- Height
- INT Insert/Site Care LEB
Routine, After verification of IV patency, begin zoledronic acid infusion to infuse entire volume over 60 minutes.
- INT Discontinue
Discontinue after infusion is complete.

Nursing Communication

- Nursing Communication
Please draw labs per zoledronic acid protocol after IV placement.
- Nursing Communication
Please collect a urine sample shortly after arrival per zoledronic acid protocol.
- Nursing Communication
Observe patient for Potential Side effects: Hypocalcemia, fever, itching, and anaphylaxis
- Nursing Communication
Complete IV site checks q15min until the infusion is complete.

Medications

- +1 Hours** zoledronic acid
- 0.025 mg/kg, IV, once, Routine, (infuse over 60 min) (DEF)*
Comments: For Initial dosing or children < 3ys. Max Dose: 4mg per dose, Mix zoledronic acid in 50 ml Normal Saline (maximum concentration 0.04 mg/mL)
- 0.05 mg/kg, IV, once, Routine, (infuse over 60 min)
Comments: For subsequent dose in children > 3ys. Max Dose: 4mg per dose, Mix zoledronic acid in 50 ml Normal Saline (maximum concentration 0.04 mg/mL)

Laboratory

- Calcium Level
STAT, T;N, once, Type: Blood



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Comments: To be collected at baseline (0 min) prior to infusion

- Calcium Urine Random
STAT, T;N, once, Type: Urine, Nurse Collect
Comments: To be collected at baseline (0 min) prior to infusion
- Creatinine Urine Random
STAT, T;N, once, Type: Urine, Nurse Collect
Comments: To be collected at baseline (0 min) prior to infusion
- Collagen Cross-Linked N-Telopeptide Urine
STAT, T;N, once, Type: Urine, Nurse Collect
Comments: To be collected at baseline (0 min) prior to infusion
- Deoxypridinoline Crosslinks, Urine
STAT, T; N, once, Type: Urine, Nurse Collect
Comments: To be collected at baseline (0 min) prior to infusion
- BMP
Routine, T; N, once, Type: Blood
- Calcium Level
Routine, T; N, once, Type: Blood
- Phosphorus Level
Routine, T; N, once, Type: Blood
- Alkaline Phosphatase, Bone Specific
Routine, T; N, once, Type: Blood
- Magnesium Level
Routine, T; N, once, Type: Blood
- CBC with Diff
Routine, T; N, once, Type: Blood
- Vit D 25OH
Routine, T;N, once, Type: Blood
- PTH Level Ped (<18 yrs of age)
Routine, T;N, once, Type: Blood

Consults/Notifications/Referrals

- Notify Physician For Vital Signs Of
Notify: MD, Celsius Temp > 38.3, Heart Rate > 120/min, Resp Rate > 35/min, and other acute changes in patient status.

Date	Time	Physician's Signature	MD Number
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***Report Legend:**
 DEF - This order sentence is the default for the selected order
 GOAL - This component is a goal
 IND - This component is an indicator
 INT - This component is an intervention
 IVS - This component is an IV Set
 NOTE - This component is a note
 Rx - This component is a prescription
 SUB - This component is a sub phase, see separate sheet
 R-Required order