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

☐ Deoxypyridinoline 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.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Physician’s Signature</th>
<th>MD Number</th>
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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