Oral Bactrim Desensitization Protocol

DO NOT USE: U, u, IU, MS, MSO4, 1.0 (trailing zero), .5, QD, QOD, MgSO4
INSTEAD USE: Unit, Morphine, 1, 0.5 (leading zero), Daily, Every other day, Magnesium

1. Initiation of Protocol Requirements:
   - Admit patient to ICU: _________________________
   - Patient MUST be full code for the desensitization procedure and thru the next full dose is administered. If patient is DNR/DNI, the primary team should discuss with the patient or legal guardian whether they are willing to reverse the status to FULL CODE for the duration of the procedure.
   - Consult UM Allergist
   - If patient is taking a beta blocker, HOLD beta blocker for 24 hours before protocol is administered.

2. Monitoring Requirements:
   - Monitor and chart vital signs and oxygen saturation prior to the first dose and prior to each dose escalation (5min during dose and 10minutes after each dose = every 15 minutes).
   - Assess breath sounds prior to first dose, prior to each dose escalation, and upon complaints of respiratory symptoms including dyspnea or chest tightness.
   - Notify ICU fellow/attending or allergist at: ____________________ and hold subsequent doses until further orders if any of the following signs or symptoms occur:
     - Oral: pruritus of lips, tongue, and palate, oral “tingling”, edema of lips and tongue, metallic taste in the mouth.
     - Skin: localized or generalized itching, flushing, hives, swelling (angioedema), morbilliform rash.
     - GI: abdominal cramps or pain (colic), nausea, vomiting, diarrhea, loss of bowel control
     - Respiratory: nasal congestion or sneezing, rhinorrhea, tightness in the throat, hoarseness, “barky” cough, difficulty swallowing, dyspnea, chest tightness, wheezing, stridor, drop in oxygen saturation, cyanosis, respiratory distress.
     - Cardiovascular: tachycardia (increase >15 beats/min), dysrhythmia, mild hypotension, bradycardia, profound hypotension, cardiac arrest.
     - Neurological: change in activity level, anxiety, “light headedness”, feeling “impending doom”, loss of consciousness
   - If allergic reaction occurs call physician at phone number listed above and administer the following agents in the listed sequence:
     - Give 0.3mg (0.3mL) of 1:1000 epinephrine IM x1.  May repeat Q5Min x2 as needed for allergic reaction.
     - After epinephrine, Give 0.9% NaCl 1000mL IV bolus x 1 as needed for systemic reaction.
     - After 0.9% NaCl, give Methylprednisolone 125mg IV x 1 dose PRN for systemic reaction.
     - After Methylprednisolone, administer diphenhydramine 50mg IV X 1 PRN systemic reaction.
     - After diphenhydramine, administer ranitidine 150mg IV x1 PRN systemic reaction.

3. Drug Desensitization Procedures:
   - Give sequentially initially at 15 minute intervals, followed by 30 minutes intervals after 1 hour (dose 5) if no adverse reactions occur. All doses must be administered. A total of at least 6 hours are needed to complete the entire desensitization protocol.
   - Document each dose as “given” on flowsheet on page 2 of this protocol
   - After administration of each dose, give 8oz of water to ensure that the full dose has been given.
   - Once protocol is complete, continue administration of Bactrim as prescribed, uninterrupted, as long as recommended by prescriber.

   Bactrim continuation dose: ________________   PO Q__________H

4. Pharmacy Compounding Instructions:
   - Pharmacist: Enter set named Bactrim Oral Desensitization protocol
   - Technician: Make doses as follows:
     - Use Bactrim suspension 200mg-40mg/5mL suspension to make compound.
     - Shake stock bottle well.
     - Take 3mL from stock bottle and add to an empty amber bottle. Add 27mL of sterile water for a total volume of 30mL. Shake well. Label as solution #3: 1:10 dilution. Use this bottle to draw up oral syringes for doses #9-11 of the protocol.
     - Take 3mL of solution #3 and add to an empty bottle. Add 27mL for a total of 30mL total volume of sterile water. Shake well. Label as solution #2: 1:100 dilution. Use this bottle to draw up oral syringes for doses #6-8 of the protocol.
     - Take 3mL of solution #2 and add to an empty bottle. Add 27mL for a total of 30mL total volume of sterile water. Shake well. Label as solution #1: 1:1000 dilution. Use this bottle to draw up oral syringes for doses #1-5 of the protocol.
     - Use the undiluted, stock bottle, to draw up oral syringes for doses #12-15 of the protocol.

Physician Name and Signature:________________________________________ Date:_________________
Physician contact phone number:  __________________________________________________
## Oral Bactrim Desensitization Protocol

<table>
<thead>
<tr>
<th>Dose #</th>
<th>Protocol Time</th>
<th>Actual Time Given</th>
<th>Dilution to Use</th>
<th>Dilution (mg/mL)</th>
<th>Volume (mL)</th>
<th>TMP (mg)</th>
<th>Cumulative Dose (mg)</th>
<th>Next Dose Due at (time)</th>
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### Change to 30 minute intervals

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<th>Actual Time Given</th>
<th>Dilution to Use</th>
<th>Dilution (mg/mL)</th>
<th>Volume (mL)</th>
<th>TMP (mg)</th>
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**Total Time to Desensitize:** 6 hours  
**Total Cumulative Dose:** 160mg

### References: