

**UCSF Adult BMT RSV Treatment SOP**  
**Revised 11/26/14**

**PROCEDURE**

- 6.1 Treatment
  - 6.1.1 Upper Respiratory Tract RSV
    - 6.1.1.1 Most patients do not require treatment except allogeneic and autologous stem cell transplant patients in whom the infection occurs before engraftment of granulocytes or in those  $\leq 1$  month post-transplant or with a lymphocyte count  $< 0.3 \times 10^9$  per L.
  - 6.1.2 Lower Respiratory Tract RSV (pneumonia, e.g. infiltrate on CXR)
    - 6.1.2.1 All allogeneic and autologous stem cell transplant patients with lower respiratory tract disease with hypoxia requiring supplemental oxygen or other symptoms requiring hospitalization will be treated.
    - 6.1.2.2 Allogeneic stem cell transplant patients on immune suppression and/or with active graft-vs-host disease will be treated.
    - 6.1.2.3 Autologous stem cell transplant patients within one month of transplant will be treated.
    - 6.1.2.4 Autologous stem cell transplant patients beyond one month of transplant and allogeneic stem cell transplant patients on no immune suppression and without active graft-vs-host disease will be observed or initially treated with IVIG only, per practitioner discretion.
  - 6.1.3. Treatment Protocol
    - 6.1.3.1 Oral ribavirin  $\geq 75$  kg: 800 mg twice daily;  $<75$  kg: 600 mg twice daily for 10 days. For patients with renal insufficiency, reduce dose to 400 mg twice daily and consult with ID pharmacy.
    - 6.1.3.2 For patients who do not demonstrate clinical improvement or those who develop an adverse reaction (i.e. hemolytic anemia) or intolerance to oral ribavirin, switch to aerosolized ribavirin 6 g over 6-8 hours once daily for ten days.
    - 6.1.3.3 A shorter course of therapy (5-10 days) of ribavirin may be considered in autologous stem cell transplant patients more than one month from transplant who are demonstrating marked clinical improvement.
    - 6.1.3.4 IVIG 500 mg/kg IV three times weekly for two weeks.
    - 6.1.3.5 Droplet Isolation Precautions until at least 7 days from symptom onset AND until symptoms resolve AND repeat PCR is negative.