



## COHESIVE HEALTHCARE MANAGEMENT & CONSULTING

### Mangum Regional Medical Center

TITLE		POLICY
<b>Pneumonia Protocol</b>		<b>DRP-009</b>
MANUAL	EFFECTIVE DATE	REVIEW DATE
<b>Drug Room</b>	<b>10-1-2020</b>	<b>10-1-2020</b>
DEPARTMENT	REFERENCE	
<b>Drug Room</b>	<b><a href="https://www.idsociety.org">https://www.idsociety.org</a></b>	

### SCOPE

This policy applies to all adult patients receiving care and treatment at Mangum Regional Medical Center.

### PURPOSE

As part of Mangum Regional Medical Center's antimicrobial stewardship program, the hospital is committed to developing protocols to assist with optimizing antimicrobial therapy for patients based on current practice guidelines and antimicrobial resistance patterns in the community.

### PROCEDURE

#### Labs:

- ABG
- CBC with differential
- CMP
- Cortisol level
- Lactic acid
- Magnesium level
- Phosphorus level
- Procalcitonin

#### Cultures:

- Culture Blood Culture x 2
- Culture Sputum Induced with Gram Stain
- Urinalysis
- Urine culture and sensitivity
- Legionella urinary antigen
- Streptococcal urinary antigen
- Respiratory Virus PCR Panel

#### Radiology and Other Procedures:

- XR Chest AP
- ECG 12 Lead Panel
- Saline Lock

#### ED Nursing Orders

- Oxygen administration to keep saturation greater than or equal to 95%
- Cardiac monitor
- Initiate Influenza vaccine protocol
- Initiate Pneumococcal vaccine protocol

#### IV Fluids

- Sodium chloride 0.9% IV to run at \_\_\_\_\_ mL/hr
- Sodium chloride 0.45% IV to run at \_\_\_\_\_ mL/hr
- Dextrose 5% - NaCl 0.45% IV to run at \_\_\_\_\_ mL/hr
- Dextrose 5% - NaCl 0.9% IV to run at \_\_\_\_\_ mL/hr

#### Respiratory Medications

- Albuterol 2.5mg/3mL SVN Q4H prn shortness of air or wheezing
- Ipratropium 0.5mg/2.5mL SVN Q4H prn shortness of air or wheezing
- Dexamethasone 4mg IV once
- Dexamethasone 4mg IV every 6 hours x 6 doses
- Duoneb 3mL SVN QID while awake
- Duoneb 3mL SVN Q4H prn shortness of air or wheezing
- Sodium chloride 0.9% SVN prn shortness of air or wheezing
- Pulmicort 0.5mg SVN BID
- Mucomyst 4mL SVN QID while awake
- Solumedrol 125mg IV once
- Solumedrol 125mg every 8 hours
- Prednisone 60mg PO once
- Prednisone 40mg PO daily x 3 days

#### Antimicrobials – Community Acquired Pneumonia

- Azithromycin 500mg IV Daily (joined order with Ceftriaxone 1gram daily)
- Ceftriaxone 1gram daily (joined order with Azithromycin 500mg IV Daily)
- Levaquin 750mg IV Daily (if CrCl greater than 50 mL/min)
- Levaquin 750mg IV times one, then Levaquin 500mg every 48 hours (if CrCl less than 50mL/min)

Antimicrobials – Hospital Acquired Pneumonia (Beta-lactam, Non Beta-lactam and Vancomycin)

- Zosyn 4.5gram IV every 6 hours (if CrCl greater than 60mL/min)
- Zosyn 3.37gram IV every 6 hours (if CrCl 30-59 mL/min)
- Zosyn 2.25gram IV every 6 hours (if CrCl 10-29 mL/min)
- Meropenem 1g IV every 8 hours (if CrCl greater than 60 mL/min)
- Meropenem 1g IV every 12 hours (if CrCl 30-59mL/min)
- Meropenem 1g IV every 24 hours (if CrCl less than 30mL/min)
- Vancomycin 1 gram every 12 hours (if CrCl greater than 60mL/min)
- Levaquin 750mg IV Daily (if CrCl greater than 50 mL/min)
- Levaquin 750mg IV times one, then Levaquin 500mg every 48 hours (if CrCl less than 5mL/min)

**REFERENCES**

<https://www.idsociety.org/practice-guideline/community-acquired-pneumonia-cap-in-adults/>

[https://www.idsociety.org/practice-guideline/hap\\_vap/](https://www.idsociety.org/practice-guideline/hap_vap/)

**ATTACHMENTS**

None.

**REVISIONS/UPDATES**

Date	Brief Description of Revision/Change