

## **Addendum 1**

### **Complicated Bacterial Pneumonia Infectious Diseases Recommendations**

This algorithm along with antibiotic choices and laboratory tests are suggested guidelines and do not supplant the physician's clinical judgment.

#### **Antibiotic**

##### **Non-toxic appearance: Ceftriaxone and Clindamycin**

- Allergy to Ceftriaxone: Levofloxacin and Clindamycin
- Allergy to Clindamycin: Ceftriaxone and Vancomycin

##### **Toxic Appearance: Ceftriaxone and Vancomycin**

- Allergy to Ceftriaxone: Levofloxacin and Vancomycin
- Allergy to Vancomycin: Ceftriaxone and Linezolid

#### **Laboratory Test**

1. Blood Culture
2. CBC with differential
3. BMP
4. CRP
5. ESR

##### **If tracheal secretions obtained:**

- Gram stain and Culture

Save extra fluid in lab for future PCR if culture is negative

- PCR for staph aureus
- PCR for strep pneumonia
- PCR for mycoplasma

##### **If Pleural Fluid obtained:**

- Gram stain and Culture
- Cell count and differential

Save extra fluid in lab for future PCR if culture is negative

- PCR for staph aureus
- PCR for strep pneumonia
- PCR for mycoplasma

##### **If blood cultures are negative consider:**

- nasal swab for staph aureus culture
- nasal swab for strep pneumonia culture

## Alteplase (TPA)

COMPASS Order = alteplase

Route = intrathoracic

Frequency = qDay

Duration = 3

Duration unit = day(s)

Order Comments = Mix with xx ml of NS and instill via Chest Tube;

*Dwell time = 60 minutes; chest tube remains clamped during dwell time*

Less than or equal to 10 kg	1mg in 20 ml of NS
Greater than 10 kg to 20 kg	2mg in 40 ml of NS
Greater than 20 kg to 30 kg	3 mg in 40 ml of NS
Greater than 30 kg	4 mg in 40 ml of NS

**Addendum 2**

**DCMC Complicated Bacterial Pneumonia SCORECARD**

Type of Measure	Domain	Measure Definition	Donabedian Classification	IOM Domain(s)
Care Process Team	Treatment	Utilization of VATS	Process	Effective, Efficient, Equitable, Safe
		Utilization of chest tube drainage with fibrinolitics	Process	Effective, Efficient, Equitable, Safe
		Utilization of chest tube drainage without fibrinolitics	Process	Effective, Efficient, Equitable, Safe
		Ultrasound utilization	Process	Effective, Efficient, Equitable, Safe
		Computed Tomography utilization	Process	Effective, Efficient, Equitable, Safe
	Efficiency in Diagnosis	Utilization of Laboratory tests: Blood Culture, CBC with differential, BMP, CRP, and ESR	Process	Effective, Efficient, Equitable, Safe
	Medication	Antimicrobial choice and dose	Process	Effective, Efficient, Safe
		Rate of VATS subsequent to non-surgical drainage	Outcome	Effective, Efficient, Equitable, Safe
	Utilization of PICC line	Process	Effective, Efficient, Equitable, Safe	
<b>Avoidable Events</b>	<b>Hospitalizations</b>	Rate of readmission to hospital within 30 days	Outcome	Effective, Efficient, Safe
<b>Throughput</b>		Average Length of Stay	Outcome	Care Coordination, Effective, Efficient, Safe, Timely
<b>Financial</b>		Average Total Cost of Care	Outcome	Effective, Efficient