

VUMC Multidisciplinary Surgical Critical Care Service

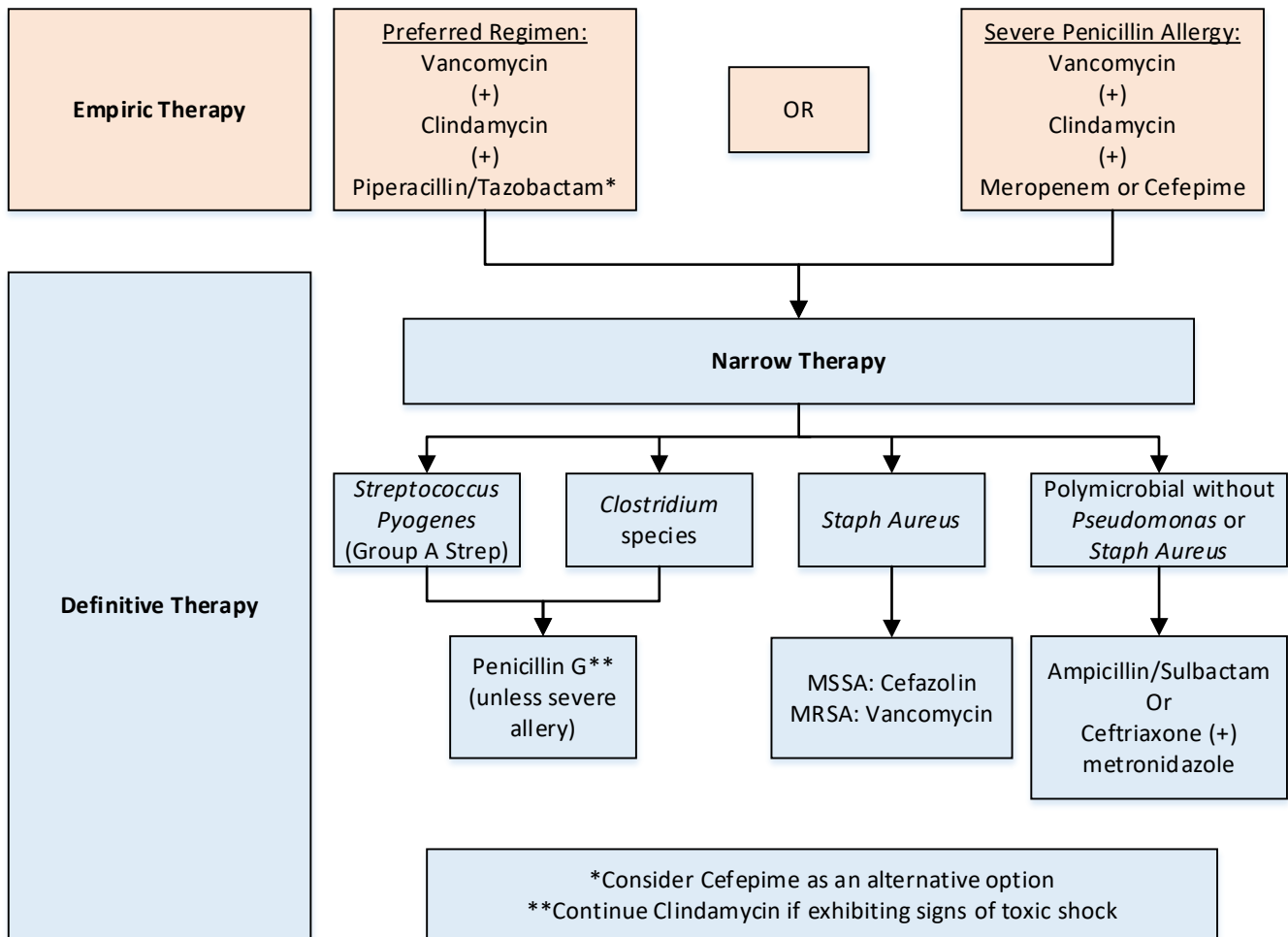
Fournier's Gangrene Guidelines

Definition: A variant of necrotizing soft tissue infection that involves the scrotum and penis or vulva.

Isolation Requirement

- Contact isolation AND droplet precautions is required for 24 hours after the first dose of broad spectrum antibiotics. After 24 hours of contact and droplet precautions, both can be discontinued as long as the patient does not grow a pathogen that requires isolation per VUMC guidelines.

Antimicrobial Therapy



Labs/Cultures

- Peripheral blood cultures x 2 on presentation
- Operative tissue cultures
- Daily CBC and CRP
- Hemoglobin A1c

Infectious Disease Consult

The infectious disease service should be consulted for any of the following criteria

- Bacteremia
- Multidrug resistant pathogens

- Debridement with osteoarticular involvement (bone or exposed bone)
- Consult required per VUMC policy (e.g. *Staph Aureus* bacteremia)

Antibiotic Duration

Systemic antibiotics in soft tissue infections should be continued until the following criteria are met:

1. Source control has been obtained
2. Patient is hemodynamically stable
3. Fever has been absent for 48 hours
4. White blood cell count has improved
5. CRP down trending

Glucose Management

Blood Glucose Target

- 110-150 mg/dL

Insulin Therapy

- Initiate insulin therapy if blood glucose is ≥ 150 mg/dL or the patient has diabetes
- Consider initiating an insulin infusion for ≥ 2 blood glucoses > 200 mg/dl (requires admission to an ICU)

Endocrinology Consult

- Consider consulting endocrinology/glucose management service for the following
 - Hemoglobin A1c ≥ 6.5 to assist with inpatient control and outpatient follow-up
 - Transitioning off the insulin infusion

Dosing Guidance

Drug	Creatinine Clearance (ml/min)				
	>80	50-80	30-50	10-30	<10 or HD
Ampicillin/Sulbactam	3000mg q6h		3000mg q6-8h	3000mg q12h	3000mg q24h
Cefazolin	2000mg Q8h			1000mg Q12h	1000mg Q24h
Cefepime	2000mg Q8h		2000mg Q12h	2000mg Q24h	1000mg Q24h
Ceftriaxone	2000mg Q24h				
Clindamycin	900mg Q8h				
Meropenem	1000mg Q8h			1000mg Q12h	1000mg Q24h
Metronidazole	500mg Q8h				
Penicillin G	4 million units Q4h		2-4 million units Q6h		2 million units Q6h
Piperacillin/Tazobactam	3.375mg Q8h				3.375mg Q12h

References

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