

VUMC Multidisciplinary Surgical Critical Care Service

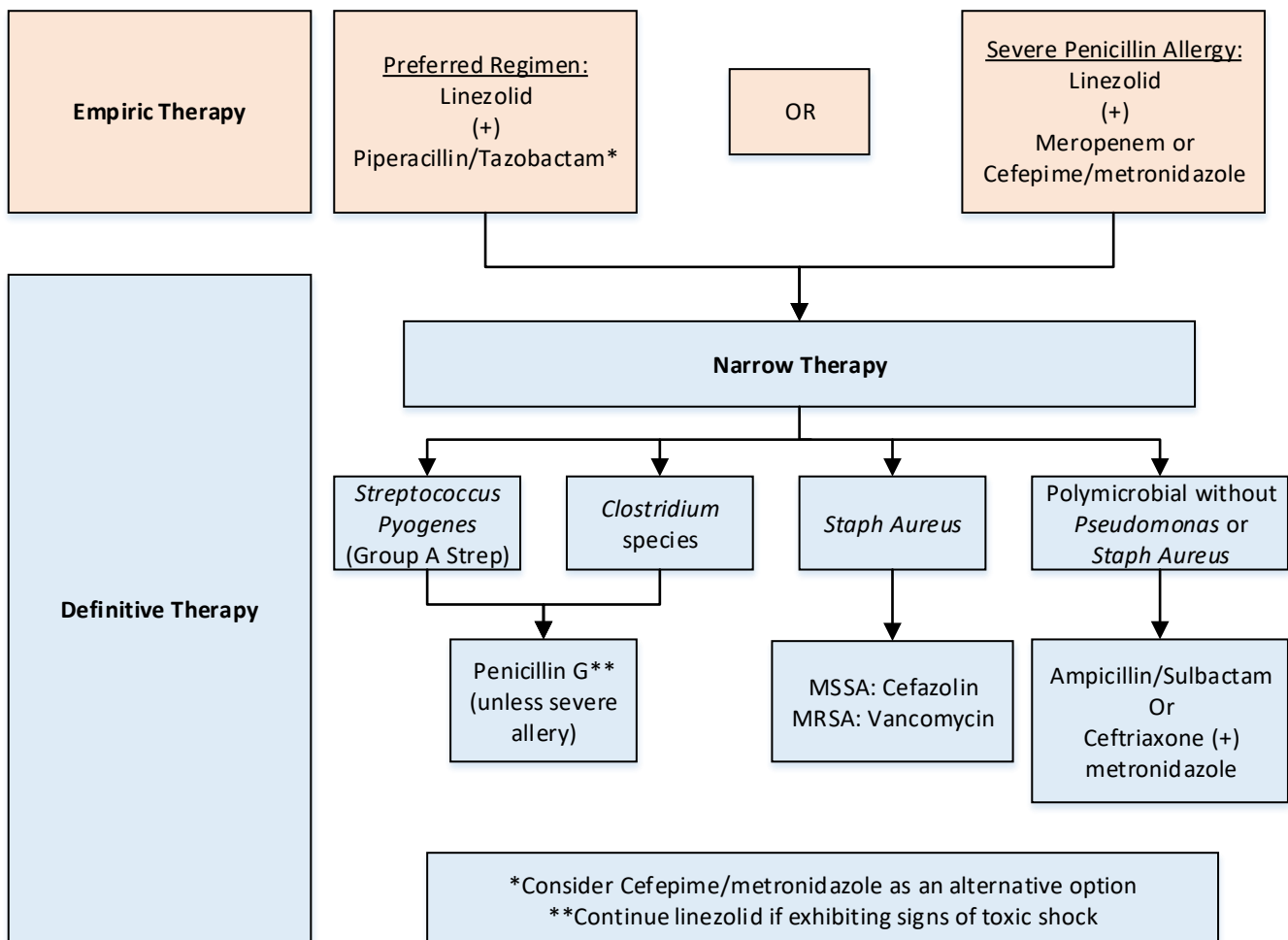
Fournier's Gangrene Guidelines

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
- Hemoglobin A1c

Infectious Disease Consult

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

- Multidrug resistant pathogens
- Debridement with osteoarticular involvement (bone or exposed bone)

- Consult required per VUMC policy (e.g. *Staph aureus*, *enterococcus* 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

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

IVIG

IVIG may be considered in a patient with group A *streptococcus* infection if ALL of following criteria are met:

1. Culture confirmed group A *streptococcus* infection
2. Shock without clinical improvement after debridement
3. Diagnosis within the past 48 hours

IVIG Dosing: 1 g/kg (ideal body weight) x 1 dose, then 0.5 g/kg (ideal body weight) q24h x 2 doses

Dosing Guidance

Please refer to the VUMC approved antimicrobial dosing guidelines: https://www.vumc.org/antimicrobial-stewardship-program/sites/default/files/public_files/VUAH%20Antimicrobial%20Dosing%20Recommendations%208.16.23.pdf

References

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