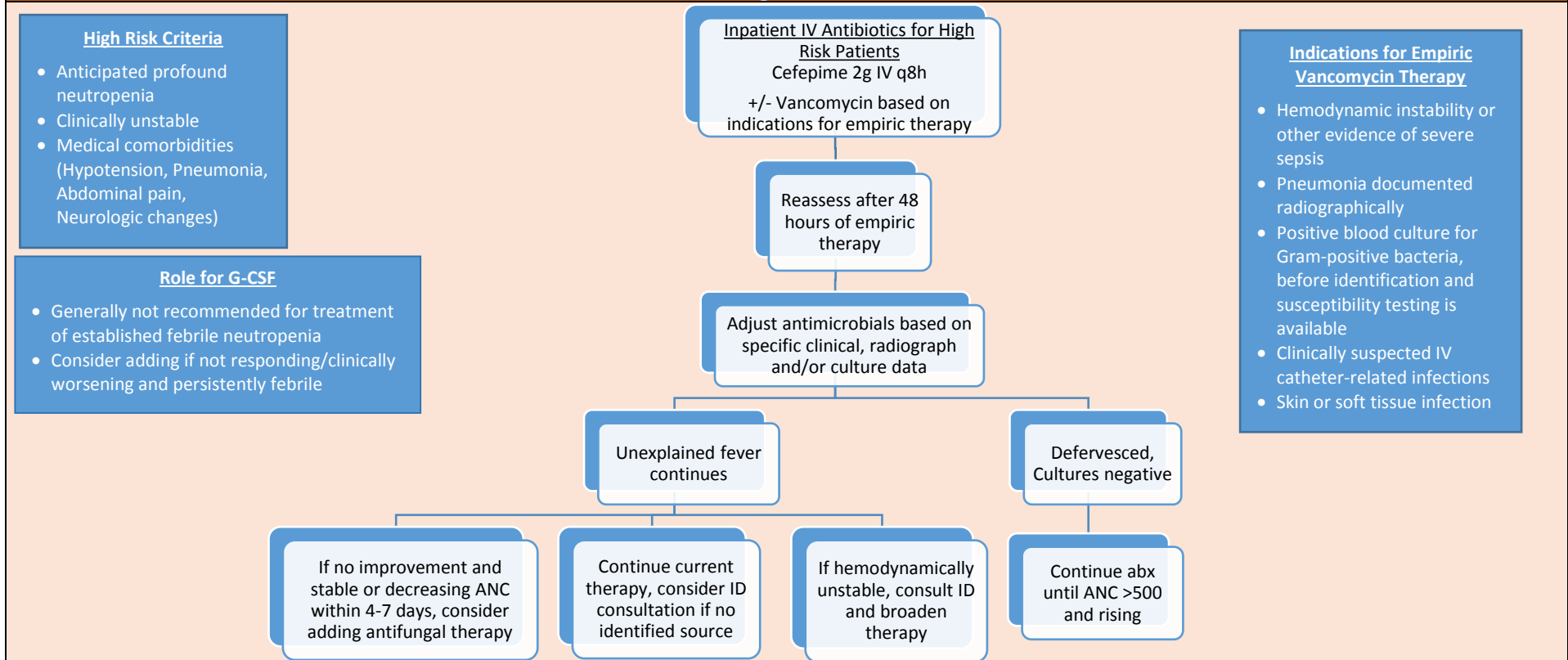


# ANMC Adult Inpatient Antibiotic Guidelines for Febrile Neutropenia

Definition	Common Pathogens		Tests/Cultures
<ul style="list-style-type: none"> <li>Fever: oral temp <math>\geq 38.0</math> C (100.4 F) sustained over 1 hour</li> <li>Neutropenia: ANC <math>&lt; 500</math> cells/mm<sup>3</sup> or one that is expected to fall below 500 cells/mm<sup>3</sup> over the next 48 hours</li> <li>Functional neutropenia: hematologic malignancy results in qualitative defects of circulating neutrophils</li> </ul>	<b>Gram Positive Pathogens</b> <ul style="list-style-type: none"> <li>Coagulase-negative <i>Staph</i></li> <li><i>Staph aureus</i></li> <li><i>Enterococcus</i></li> <li><i>Viridans group Strep</i></li> <li><i>Strep pneumoniae</i></li> <li><i>Strep pyogenes</i></li> </ul>	<b>Gram Negative Pathogens</b> <ul style="list-style-type: none"> <li><i>E. coli</i></li> <li><i>Klebsiella sp.</i></li> <li><i>Enterobacter sp.</i></li> <li><i>P. aeruginosa</i></li> <li><i>Citrobacter sp.</i></li> <li><i>Acinetobacter sp.</i></li> <li><i>Stenotrophomonas maltophilia</i></li> </ul>	<ul style="list-style-type: none"> <li>CBC w/ diff</li> <li>CMP</li> <li>Blood cultures (set from central catheter and peripheral if both present)</li> <li>Specific for site of presumed infection</li> <li>Chest X-ray if s/sx of respiratory infection</li> </ul>

## Antibiotic Selection

### High-Risk



#### Comments:

- Patients receiving fluoroquinolone prophylaxis should not receive empiric therapy with a fluoroquinolone
- Ceftazidime should not be used as monotherapy due to poor activity against gram positive bacteria, notably viridans group streptococci

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