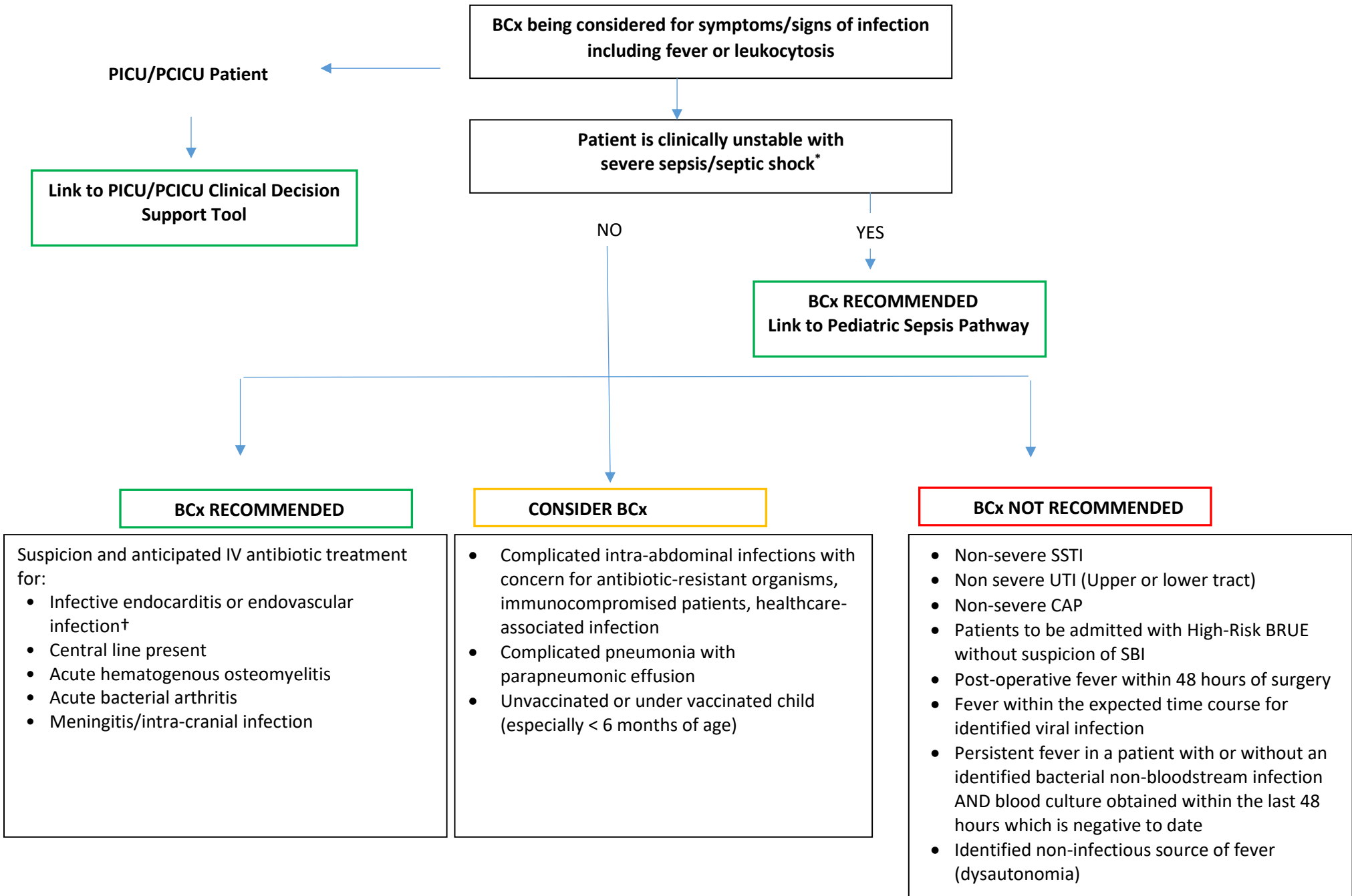
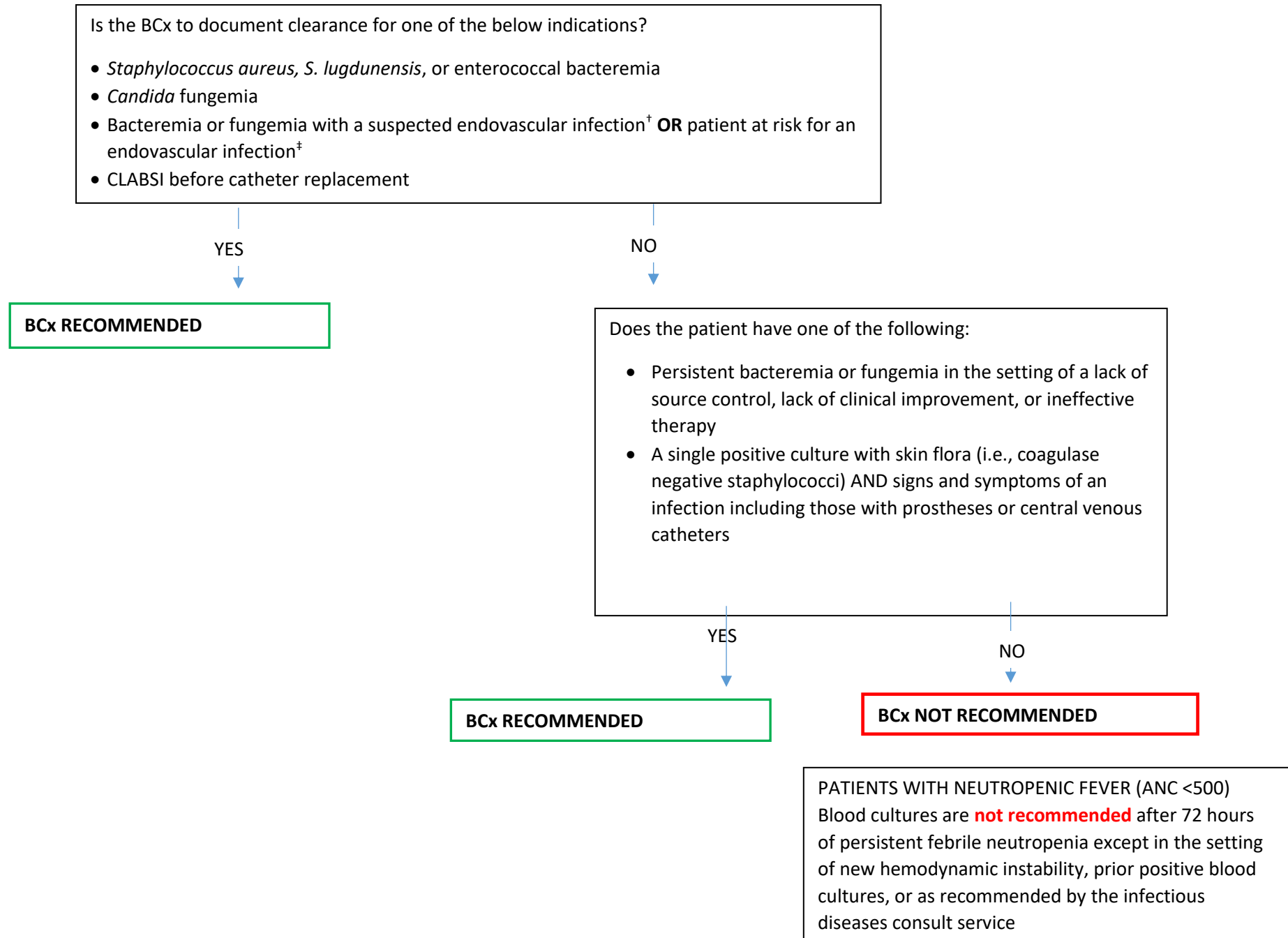


BLOOD CULTURE (BCx) RECOMMENDATIONS FOR NON-NEUTROPENIC PEDIATRIC PATIENTS ≤ 18 YEARS OF AGE AND > 60 DAYS OF AGE



BLOOD CULTURES (BCx) TO DOCUMENT CLEARANCE OF BACTEREMIA OR CANDIDEMIA



Footnotes:

Pediatric patients are ≤18 years of age unless followed by a pediatric subspecialty service (Hematology/oncology, Complex Care)

The above algorithms are not a substitute for clinical judgment.

† Endovascular infection: Septic thrombophlebitis, infected endovascular thrombi, implantable cardioverter defibrillator (ICD)/pacemaker lead infections, intravascular catheter infections, VAD, and vascular graft infections.

‡Patients at risk of endovascular infection: ICD/pacemaker, VAD, vascular graft, prosthetic valves and prosthetic material used for cardiac valve repair, history of infective endocarditis, valvulopathy in heart transplant recipient, **unrepaired congenital heart disease, repaired congenital heart disease with residual shunt or valvular regurgitation, or within the first 6 months post-repair.**

- **Abbreviations:** BCx, blood culture; CAP, community-acquired pneumonia; CLABSI – central line associated bloodstream infection; HAP, healthcare-associated pneumonia; UTI, urinary tract infection; VAD, ventricular assist device; VAP, ventilator-associated pneumonia; SBI- Serious Bacterial Infection; BRUE- Brief resolved unexplained event

References:

Woods-Hill CZ, Colantuoni EA, Koontz DW, *et al.* Association of Diagnostic Stewardship for Blood Cultures in Critically Ill Children With Culture Rates, Antibiotic Use, and Patient Outcomes: Results of the Bright STAR Collaborative. *JAMA Pediatr.* 2022 Jul 1;176(7):690-698.

Robert A Bonomo, Pranita D Tamma, Fredrick M Abrahamian, *et al.*, 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Diagnostic Imaging of Suspected Acute Intra-abdominal Abscess in Adults, Children, and Pregnant People, *Clinical Infectious Diseases*, 2024;,, ciae351, <https://doi.org/10.1093/cid/ciae351>

Baltimore RS, Gewitz M, Baddour LM, *et al.*; American Heart Association Rheumatic Fever, Endocarditis, and Kawasaki Disease Committee of the Council on Cardiovascular Disease in the Young and the Council on Cardiovascular and Stroke Nursing. Infective Endocarditis in Childhood: 2015 Update: A Scientific Statement From the American Heart Association. *Circulation.* 2015 Oct 13;132(15):1487-515.

Woods CR, Bradley JS, Chatterjee A, *et al.* Clinical Practice Guideline by the Pediatric Infectious Diseases Society and the Infectious Diseases Society of America: 2021 Guideline on Diagnosis and Management of Acute Hematogenous Osteomyelitis in Pediatrics. *J Pediatric Infect Dis Soc.* 2021 Sep 23;10(8):801-844.

Charles R Woods, John S Bradley, Archana Chatterjee, *et al.*, Clinical Practice Guideline by the Pediatric Infectious Diseases Society (PIDS) and the Infectious Diseases Society of America (IDSA): 2023 Guideline on Diagnosis and Management of Acute Bacterial Arthritis in Pediatrics, *Journal of the Pediatric Infectious Diseases Society*, Volume 13, Issue 1, January 2024, Pages 1–59,

Woods-Hill CZ, Koontz DW, Voskertchian A, *et al.*; Bright Star Consensus Authorship Group. Consensus Recommendations for Blood Culture Use in Critically Ill Children Using a Modified Delphi Approach. *Pediatr Crit Care Med.* 2021 Sep 1;22(9):774-784.

<https://idmp.ucsf.edu/sites/g/files/tkssra4251/f/Blood%20Culture%20Guidelines%207.3.24.pdf> -accessed 7/9/24

Fabre V, Sharara SL, Salinas AB *et al.* Does this patient need blood cultures? A scoping review of indications for blood cultures in adult nonneutropenic inpatients. *Clin Infect Dis.* 2020; 71(5): 1339-1347

Robinson ED, Keng MK, Thomas TD *et al.* Reducing repeat blood cultures in febrile neutropenia: a single-center experience. *Open Forum Infect Dis.* 2022; 9(11): ofac521

Theophanous R, Ramos J, Calland AR *et al.* Blood culture algorithm implementation in emergency department patients as a diagnostic stewardship intervention. 2024; May 6:S0196-6553(24)00472-3