Febrile Neutropenia Empiric Treatment



2 months and older

(Adapted with Permission by IWK Health Centre June 2021)

SCA,TEST Visit ER0000145/12 HCN: 22222222 Van den Hof, TEST / TEST, Maureen Patient: Dec/8/2012 ☐ Alert Record Reviewed ☐ No Allergies Known ☐ Allergies—Adverse Reactions—Cautions: Patient's Weight _____kg Date of Patient's Weight _____kg Age _ **DIAGNOSIS:** Items preceded by a **bullet** (•) are active orders. Items preceded by a **checkbox** (\Box) are only actioned if checked ($\sqrt{}$) Refer to the APPHON website for the link to the complete guidelines (https://www.apphon-rohppa.com) Phone pediatric oncologist immediately. Time consulted: hours **FLUIDS AND NUTRITION** NaCL 0.9% at (1.5 x maintenance, maximum 150 mL/hour)
mL/hour IV, reassess daily and step down to maintenance daily fluid intake once patient is afebrile and stable **INVESTIGATIONS** • CBCD, lactate, Na+, K+, creatinine, blood glucose within 30 minutes of arrival ☐ Blood gas if hemodynamically unstable • Blood from all CVL lumens (peripheral only if no CVL*) for culture and sensitivity within 30 minutes of arrival and prior to starting IV antibiotics (*if blood is drawn from CVL there is no need to draw an additional peripheral culture) ☐ Urinalysis ☐ Urine culture (no PUC samples – all urine cultures must be midstream or catheter only) □ NPA (PCR) for: □ Influenza/RSV □ Extended viral panel (ID approval required) ☐ COVID19 (if extended viral panel not available ☐ Throat mycoplasma Other: Repeat daily: CBCD, Na+, K+ while receiving daily IV fluids, and daily creatinine if receiving vancomycin or tobramycin • Blood cultures from all lumens for culture and sensitivity if temperature is greater than or equal to 38° C one hour apart or greater than or equal to 38.3° C, or if patient appears unwell. MONITORING • BP, HR, RR, O₂ saturation and temperature q1h until stable, then q4h DIAGNOSTIC IMAGING If clinically indicated ☐ Chest X–ray ☐ Other: _____ **MEDICATIONS** All patients to receive antibiotics within 60 minutes of presentation, or less as indicated below Alternate antibiotics through each lumen once daily If NO penicillin allergy AND [For IWK inpatients ONLY; NOT receiving or clearing high dose methotrexate]: ☐ 2 to 6 months of age: piperacillin-tazobactam (80 mg/kg/dose, max:4000 mg/dose) _____ mg IV q6h ☐ 6 months and greater: piperacillin-tazobactam (100 mg/kg/dose, max:4000 mg/dose) mg IV g6h (Dosing based on piperacillin component) If penicillin allergy OR [For IWK inpatients ONLY; receiving or clearing high dose methotrexate]: . ☐ cefepime (50 mg/kg/dose, max: 2000 mg/dose) _____ mg IV q8h If patient presents with abdominal or perianal tenderness or possible typhlitis and is not receiving piperacillin-tazobactam or meropenem ADD: ☐ metrondiazole (10 mg/kg/dose, max: 500 mg/dose) mg IV q8h For UNSTABLE patient or patient with line associated infection ADD vancomycin (to be started immediately after blood cultures drawn): ☐ Less than 12 years of age: vancomycin (15 mg/kg/dose, max: 1000 mg/dose) _____ mg q6h ☐ 12 years of age and older: vancomycin 15 mg/kg/dose, max: 1000 mg/dose) _____ mg q8h • Vancomycin–Pre (trough) level pre 4th or 5thdose **AND** (for unstable patient) ☐ Less than or equal to 6 years of age: tobramycin (10.5 mg/kg/dose, max: 400 mg/dose) _____ __ mg IV q24h ☐ Greater than 6 years of age: tobramycin (8 mg/kg/dose, max: 400 mg/dose) _____ mg IV q24h • Tobramycin-Post (peak) level 30 minutes after first infusion complete DATE (yyyy/MON/dd) Time (24hour/hh:mm) Prescriber Signature Printed Surname/Registration #

DATE (yyyy/MON/dd) Time (24hour/hh:mm) Note: Page 2 Clinician Information Only

Verified By (Signature)

Printed Surname

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www.apphon-rohppa.com " PERMANENT RECORD Page 1 of 2 2021/APR/06 MR **IWKFENEOR**



Febrile Neutropenia Orders and Algorithm

for treatment of children less than 2 months of age see APPHON guideline (https://www.apphon-rohppa.com)

