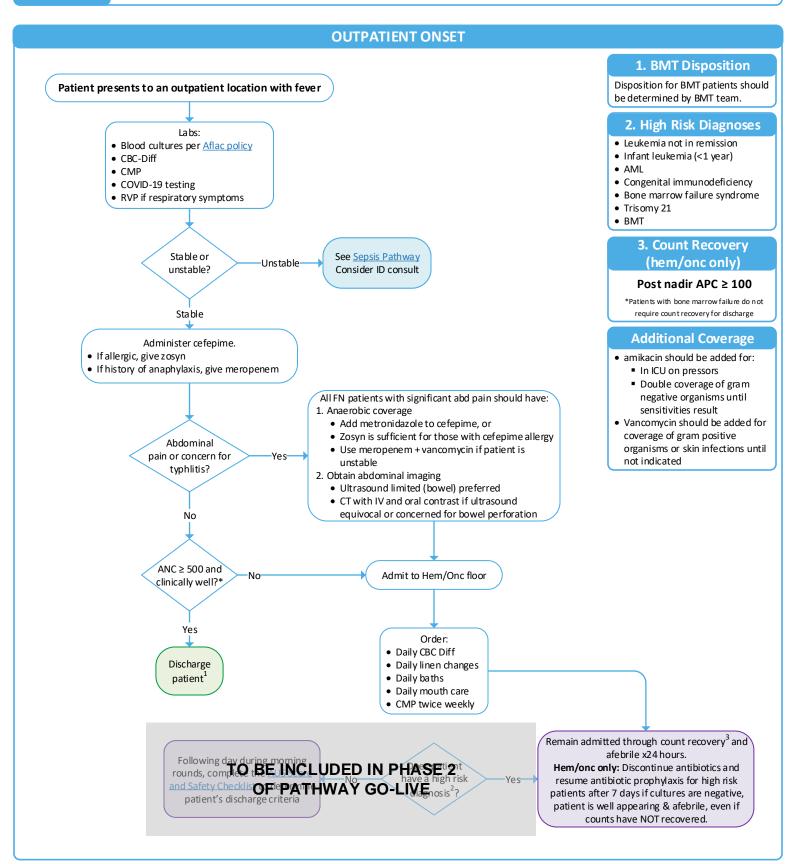
Aflac Clinical Practice Pathway Fever and Neutropenia

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INCLUSION CRITERIA

Patient with cancer undergoing therapy, patient with bone marrow failure, or patient undergoing BMT presenting with fever of 38.0 lasting >1 hr OR any one fever \geq 38.3



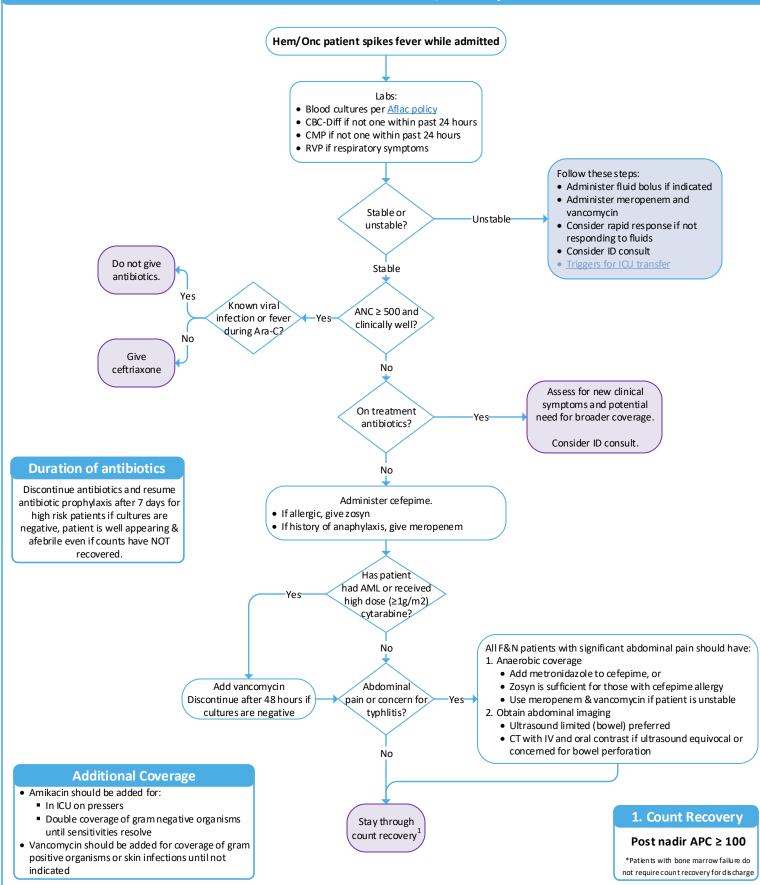
Approval: January 28, 2022

Developed through the efforts of the Aflac Cancer and Blood Disorders Center at Children's Healthcare of Atlanta and physicians on Children's medical staff in the interest of advancing pediatric healthcare. This is a general guideline and does not represent a professional care standard governing providers' ob ligation to patients. Ultimately the patient's physician must determine the most appropriate care. © 2022 Children's Healthcare of Atlanta, Inc.

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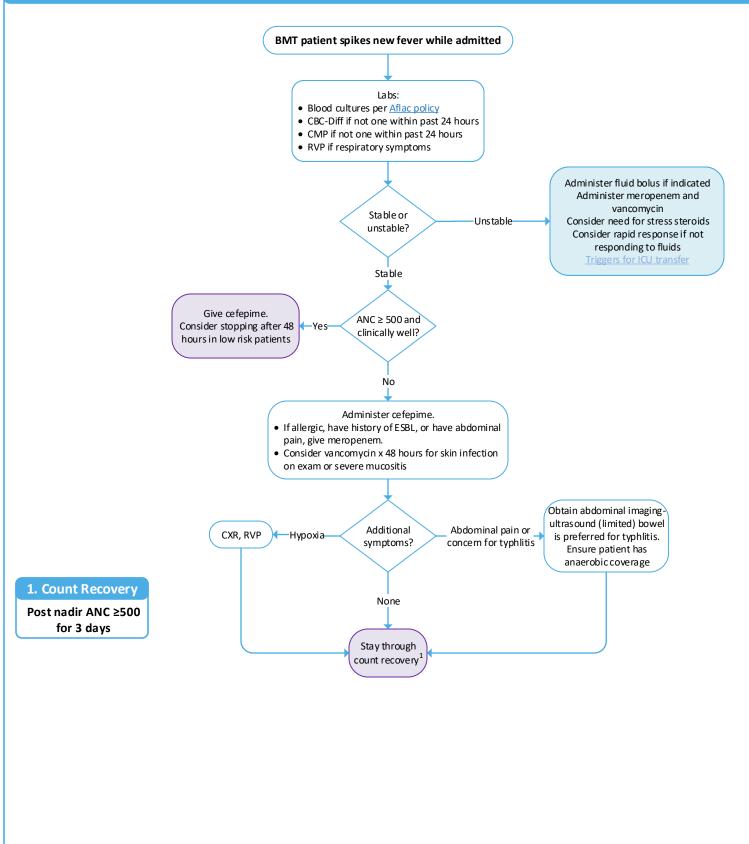


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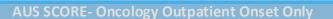
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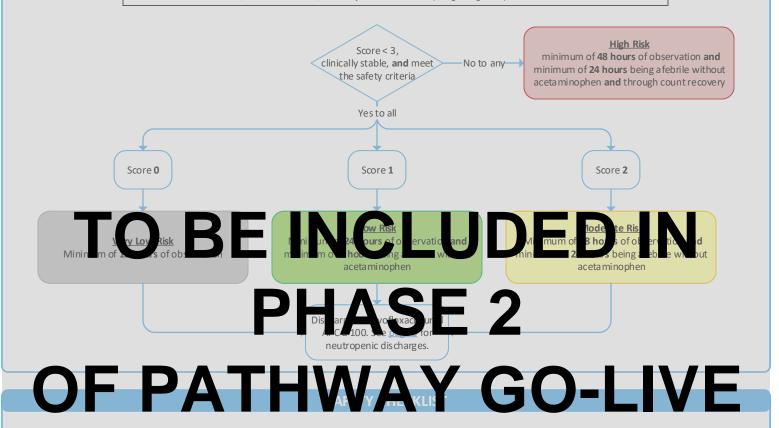








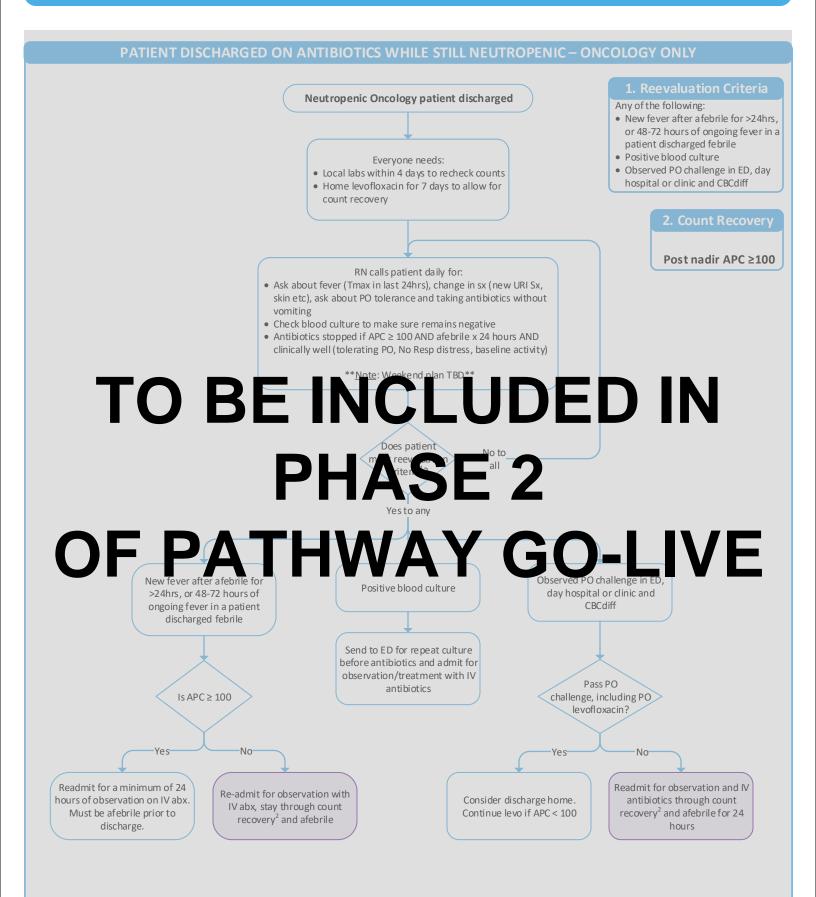
AUS-Rule Variables	Yes	No
Preceeding chemotherapy more intensive than ALL maintenance*	1	0
Admission Total WBC < 0.3x10 ⁹ /L	1	0
Admission platelet count < 50,000 (Valid even if recently transfused)	1	0
TOTAL SCORE	:	
* Includes: ALL maintenance, LCH maintenance, or weekly vinblastine alone (low grade glioma)		



Eligibility criteria for discharge home/parent-led care. Must be YES to all to proceed to home care.

Criteria	Eligible	Not Eligible
Not one of the following: Leukemia not in remission, infant leukemia (<1 year), AML, congenital immunodeficiency, bone marrow failure, Down Syndrome	yes	no
No suspected bacterial infection that requires inpatient care*		no
No medical complication requiring inpatient care**		no
No severe sepsis at FN presentation ***	yes	no
In home presence of caregiver 24 hours per day through count recovery	yes	no
Good education of patient and caregiver on reportable symptoms	yes	no
Availability of a reliable communication (i.e. telephone response)	yes	no
Within 1-hour of an emergency room	yes	no
Ability to comply with discharge instructions or take oral medications	yes	no
* Including but not limited to CVAD cellulitis, perianal cellulitis, significant pneumonia, infectio ** Including but not limited to pain requiring IV analgesia, need for IVF, oxygen requirement *** Any of the following: altered conciousness, inotrope requirement, fluid bolus >40mL/kg	n with MDR org	ganism
If well, abnormal CXR is not a contraindication to oral antibiotics		

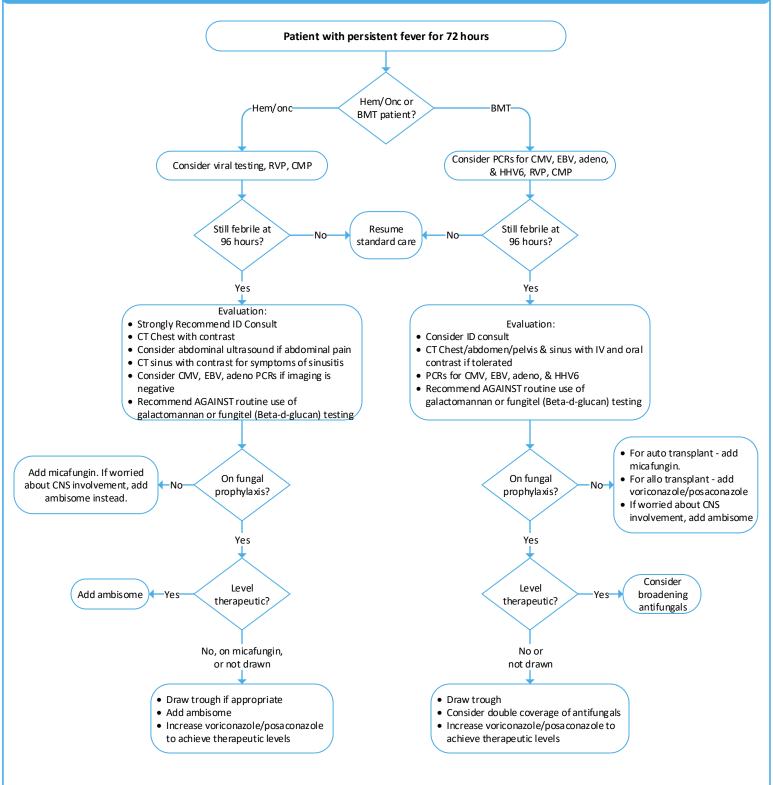




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Aflac Clinical Practice Guideline Fever and Neutropenia

PROLONGED FEVER



Return of recurrent persistent fever after being afebrile

Consider fungal workup similar to mentioned in this flowsheet for patients with recurrent fever on appropriate antibiotics. Unless concern for focal gram + infection, vancyomycin does not need to be restarted for hem/onc patients.

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DRUG DOSING

Drug	Dose	Frequency	Max Dose	Comments
Ambisome - CNS	5 mg/kg IV	every 24 hours	N/A	
Ambisome - non CNS	3 mg/kg IV	every 24 hours	N/A	
amikacin	10 mg/kg/dose IV	every 8 hours	500 mg	
cefepime	50mg/kg IV	every 8 hours	2,000mg	
levofloxacin < 5yo	10 mg/kg/dose IV/PO	twice daily	N/A	
levofloxacin ≥ 5yo	10 mg/kg/dose IV/PO	once daily	750 mg	
meropenem - CNS	40 mg/kg IV	every 8 hours	2,000 mg	
meropenem - non CNS	20 mg/kg IV	every 8 hours	1,000 mg	
metronidazole	10 mg/kg IV/PO	every 8 hours	500 mg	
micafungin	3 mg/kg IV	every 24 hours	150 mg	
piperacillin-tazobactam	100mg/kg IV	every 8 hours	4000 mg	
posaconazole - IV or PO tablets	Loading: 10 mg/kg x 2 doses IV/PO Maintenance: 10 mg/kg IV/PO	Loading: every 12 hours Maintance: every 24 hours	300 mg	Treatment tough: > 1000 ng/mL
posaconazole - PO liquid formulation	10 mg/kg PO	every 8 hours	200 mg	
vancomycin	20 mg/kg IV	every 8 hours	1,000 mg	
voriconazole < 12 yrs or 12 - 14 years and < 50 kg	9 mg/kg IV/PO	every 12 hours	350 mg	Treatment trough: > 2mcg/mL
voriconazole 12 - 14 yrs and > 50 kg or ≥ 15 yrs	Loading: 6 mg/kg x 2 doses IV/PO Maintenance: 4 mg/kg IV/PO	every 12 hours	LD: 400 mg MD: 200 mg	



REFERENCES

COMING SOON

REVISION HISTORY

[Rev	Change Description	Date	
	0	Initial document creation	2/1/2022	