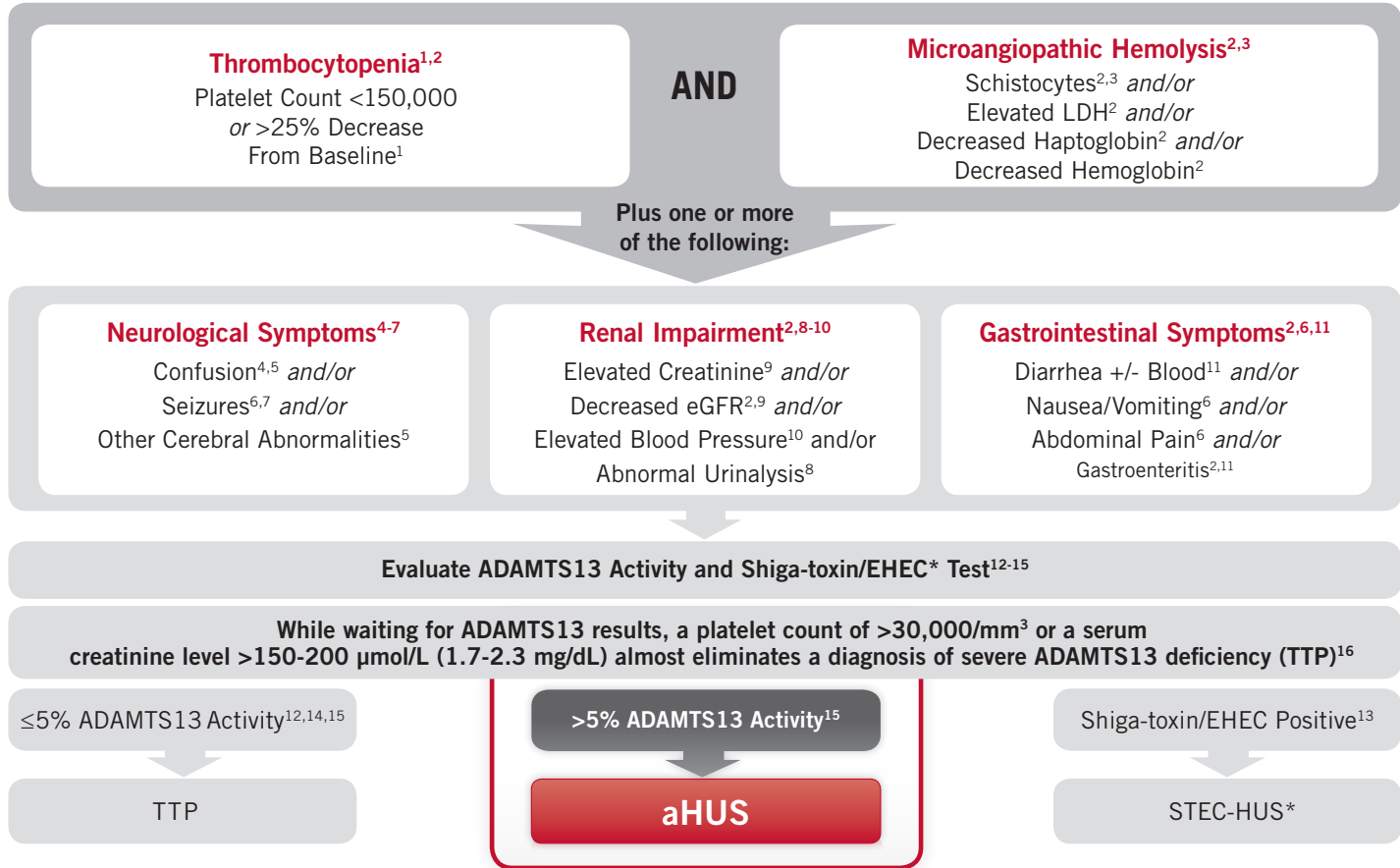


Differential diagnosis for TMAs: aHUS, TTP, and STEC-HUS



*Shiga-toxin/EHEC test is warranted in history/presence of GI symptoms.

The information on this page is intended as educational information for healthcare providers. It does not replace a healthcare professional's judgment or clinical diagnosis.

High clinical suspicion of aHUS is required in all patients presenting with any sign or symptom of systemic, complement-mediated thrombotic microangiopathy¹⁷

TMA = thrombotic microangiopathy.
aHUS = atypical hemolytic uremic syndrome.
TTP = thrombotic thrombocytopenic purpura.
STEC-HUS = Shiga-toxin-producing *E coli* hemolytic uremic syndrome.
LDH = lactate dehydrogenase.
eGFR = estimated glomerular filtration rate.
EHEC = enterohemorrhagic *E coli*.

Diagnostic tests to aid differentiation of aHUS from TTP or STEC-HUS

	ADAMTS13 Activity ¹	Shiga-toxin/EHEC ¹
Specimen source	Peripheral blood	Stool/Rectal swab
Sample volume	1-3 mL	1-2 g, 1-2 mL, 1 swab
Collection time	Prior to any plasma intervention	Immediately upon suspicion; prior to antibiotic therapy
Sample requirement	Citrated plasma, frozen	Refrigerated/Cold pack
Anticoagulant	Sodium citrate (light blue-top tube) preferred; EDTA is not acceptable	
Expected turnaround time (TAT)	24-48 hrs	24-48 hrs

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The catastrophic consequences of aHUS make rapid diagnosis critical^{2,18}

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