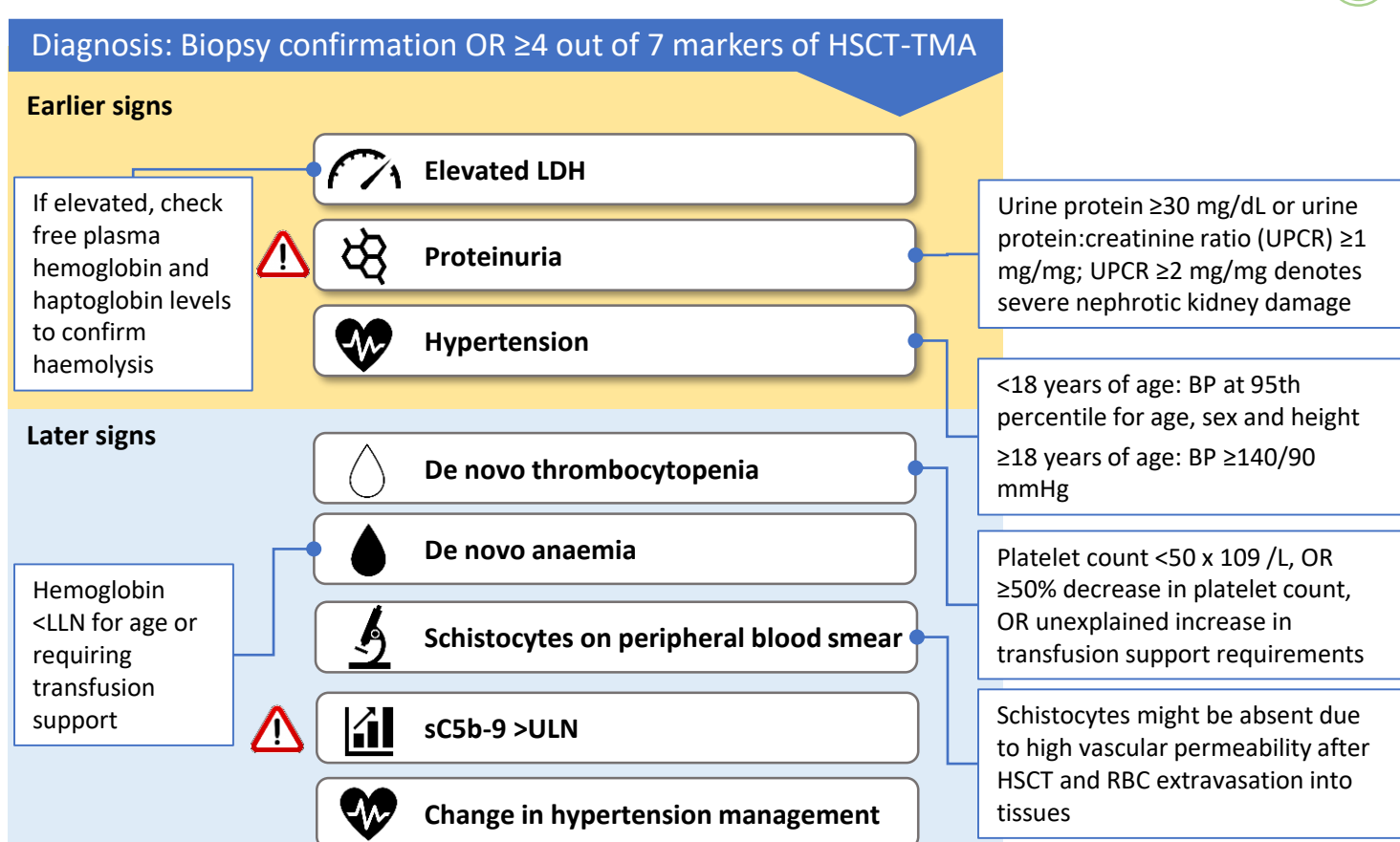
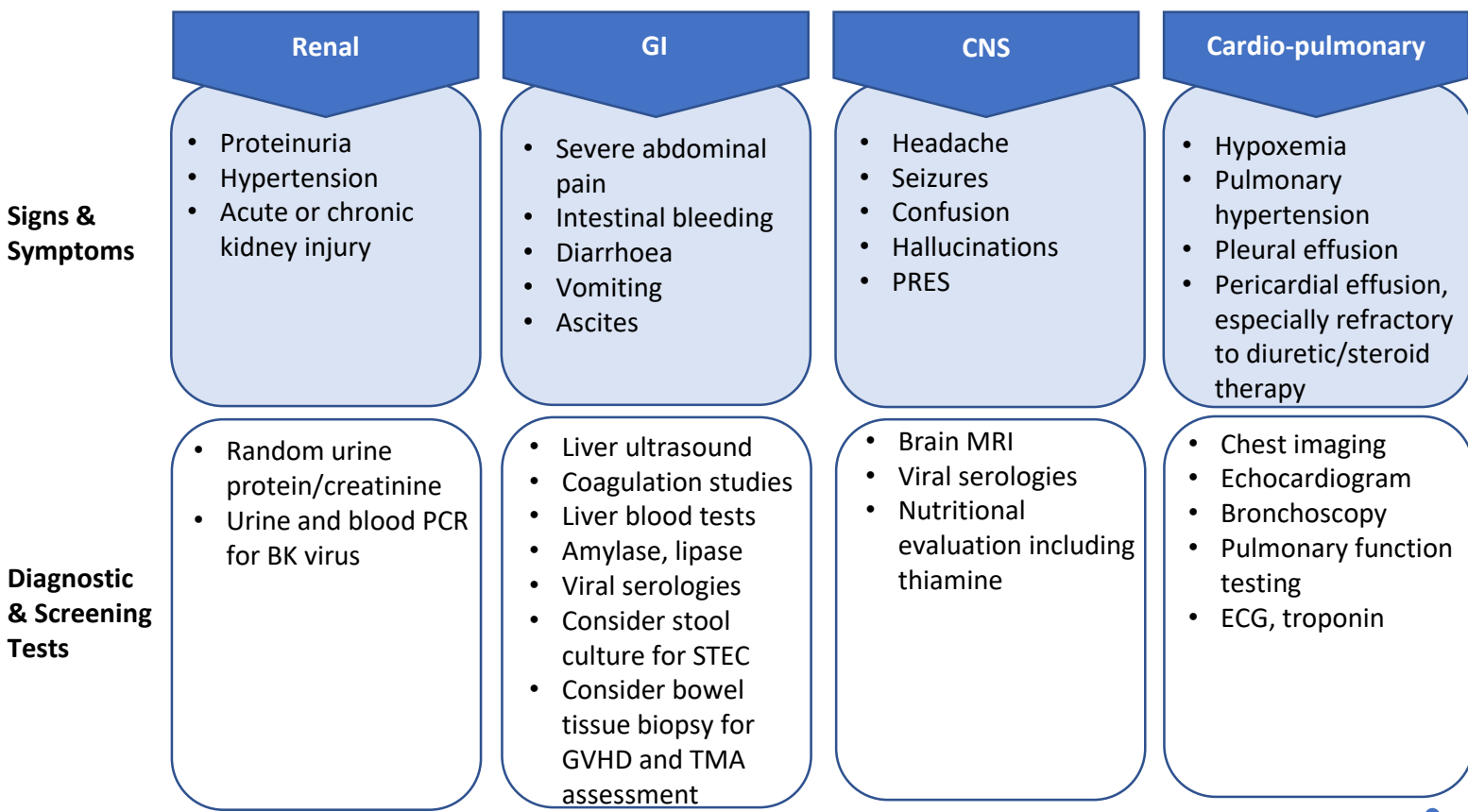


TMA diagnosis



! = high-risk markers
! Clinical suspicion should be elevated in conjunction with increased transfusion requirements before engraftment

Organ-specific TMA signs and symptoms



Differential diagnoses

Parameter	HSCT-TMA	SOS/VOD	GvHD	Drug toxicity*	DIC
New onset kidney injury	Very Common (primary due to vascular injury)	Common (secondary to fluid overload)	Rare	Common	Common (secondary due to hypotension or shock)
New onset MAHA	Very Common	Rare	Rare	Uncommon	Common
Rapidly progressing thrombocytopenia	Very Common (destruction/consumption due to microangiopathy)	Common (due to platelet consumption)	Common	Drug dependent	Very Common
Hypertension	Very Common	Rare (typically hypotension)	Uncommon (Drug related)	Drug dependent	Rare (typically hypotension)
Seizures/PRES/CNS involvement	Common	Uncommon (encephalopathy with liver failure)	Uncommon (no CNS GVHD)	Drug dependent	Uncommon
Icterus	Rare	Very Common	Common with liver GVHD	Uncommon (Drug dependent)	Uncommon
Liver	Common (transaminase elevation or indirect bilirubin)	Very common (elevated direct bilirubin)	Very Common (secretory diarrhea)	Common	Uncommon
Bowel	Common (injury and bleeding)	Uncommon	Very Common	Uncommon	Uncommon
Skin rash/purpura	Common (advanced cases)	Rare	Very Common	Very Common	Common
Elevated pTT/PT/INR	Rare	Very Common	Rare	Rare	Very Common
CV/lung involvement	Common (as primary vascular injury)	Common (secondary due to fluid overload)	Common (in cGVHD e.g., bronchiolitis obliterans)	Uncommon	Common

*Drug toxicities includes adverse reactions to drugs commonly used in the management/post-treatment care of patients who have undergone transplantation; examples include antibiotics and immunosuppressants

BP, blood pressure; CBC, complete blood count; CNI, calcineurin inhibitor; CNS, central nervous system; CV, cardiovascular; EASIX, Endothelial Activation and Stress Index; ECG, electrocardiogram; GI, gastrointestinal; GvHD, graft versus host disease; HLA, human leukocyte antigen; HSCT, hematopoietic stem cell transplant; INR, international normalized ratio; LDH, lactate dehydrogenase; LLN, lower limit of normal; mmHg, millimetres of mercury; MRI, magnetic resonance imaging; mTORi, mammalian target of rapamycin inhibitor; PCR, polymerase chain reaction; PRES, posterior reversible encephalopathy syndrome; PT, prothrombin time; pTT, partial thromboplastin time; RBC, red blood cell; sC5b-9, soluble C5b-9; ST2, suppression of tumorigenicity 2; STEC, Shiga toxin Escherichia coli; TMA, thrombotic microangiopathy; ULN, upper limit of normal; UPCR, urine protein creatinine ratio.

The infographic represents the opinions of the authors. For a full list of declarations, including funding and author disclosure statements, please see the full text online. © The authors, CC-BY-NC [2022].