



Supplementary Figure 1: flowchart. BWH: Brigham and Women's Hospital. CKD: chronic kidney disease. CMML: chronic myelomonocytic leukemia. GVHD: graft versus host disease. MDS: myelodysplastic syndromes. MGH: Massachusetts General Hospital.

Supplementary: Table S1: Diagnostic of kidney injury associated to MDS for patients without a kidney biopsy

Patient number	Diagnosis	Arguments in favor	Kidney biopsy contraindications
FRA-10	Microscopic polyangiitis	Rapidly progressive glomerulonephritis, alveolar hemorrhage, ANCA positivity with myeloperoxidase specificity	Anemia, thrombopenia
FRA-15	ANCA negative vasculitis	AKI, microscopic hematuria, purpura, idiopathic interstitial pneumonia	Obesity
FRA-30	Microscopic polyangiitis	Rapidly progressive glomerulonephritis, ANCA positivity with myeloperoxidase specificity	Thrombopenia
FRA-33	Microscopic polyangiitis	Rapidly progressive glomerulonephritis, ANCA positivity with myeloperoxidase specificity, purpura	Anticoagulant agent for valvular cardiopathy
VAS-01	Polyarteritis nodosa	AKI, kidney's micro-aneurysms, cutaneous biopsy	Kidney's micro-aneurysms
VAS-05	Granulomatosis with polyangiitis	Rapidly progressive glomerulonephritis, ANCA positivity with proteinase 3 specificity, chondritis, scleritis, purpura	Thrombopenia

Abbreviations: AKI: acute kidney injury. ANCA: antineutrophil cytoplasmic antibody. MDS: myelodysplastic syndromes.

