

## Appendix E1

**Table E1**

Patient	Age/sex	Past Med Hx	Days on mech vent at the time of MRI	Lowest O2 Sat	Hospital day w/lowest O2 Sat	D-dimer (by the time of MRI)	Therapeutic Anticoagulation	Creatinine	Transaminase	Blood Cx	Leukoenceph on MRI	Microhem on MRI
1	56/M	—	17	70	1	500–4600	Heparin (stopped due to HIT)	0.5–8.7 (HD)	ALT = 179 AST = 204	Neg	+	+
2	45/M	HL	23	68	17	4309–6,206	Heparin	2.9–4.2 (HD)	Normal	<i>Enterobacter</i> (meropenem)	—	+
3	60/M	—	33	72	21	3414–>10,000	Heparin, switched to argatroban	0.7–5.3 (HD)	Normal	<i>Enterococcus faecium</i> (vancomycin + piperacilin/tazobactam)	+	+
4	43/M	—	33	78	18	1,279–>10,000	Heparin	3.49–10.2 (HD)	ALT = 171 AST = 70	Neg	+	—
5	64/M	HTN, HL, DM2, CAD	28	84	3	3,317	Plavix, heparin held for GI bleed	1.86–5.08 (HD)	AST = 94 ALT = 94	Neg	+	+
6	63/F	HTN, HL, DM	27	79	18	891–2,424	Heparin, then lovenox	0.6–2.4	ALT = 65 AST = 71	Staph epidermidis (contaminant?)	+	+
7	49/M	HTN, DM	15	85	3	693–3,118	—	0.7–10.4 (HD)	ALT = 136 AST = 208	<i>Klebsiella</i> (piperacillin/tazobactam)	+	—
8	38/M	HTN, DM, cocaine use	27	70	2	1,110–5,959	Lovenox (DVT)	0.88–11.25 (HD)	ALT = 489 AST = 397	Staph epidermidis (contaminant?)	+	+
9	43/M	—	25	72	1	2,651	Heparin drip	0.8–2.7	Normal	Neg	+	—
10	64/M	HTN, A Fib	23	60	14	2,861–8,305	Heparin drip then argatroban	1.54–5.39	ALT = (43–404) AST = (52–1,322)	Neg	+	+
11	62/F	HTN, DM2, obesity	41	68	2	1,101–8,091	Heparin drip then lovenox	0.72–10.86 (HD)	Normal	Neg	+	—

Normal values: D-dimer (normal < 230 ng/mL DDU); AST (normal 5–34 U/L); ALT (normal 0–37 U/L); Creatinine (0.6–1.1 mg/dL).  
HTN = hypertension, HL = hyperlipidemia, DM2 = diabetes mellitus type 2, CAD = coronary artery disease, A Fib = atrial

fibrillation, GI = gastrointestinal, DVT = deep vein thrombosis, ALT = alanine aminotransferase, AST = aspartate aminotransferase, Leukoenceph = leukoencephalopathy, Microhem = microhemorrhage, HIT = heparin-induced thrombocytopenia, HD = hemodialysis.

## Brain MRI-Routine Protocol

**Table E2: Head Coil**

Sequence	Plane	Slice Thickness (mm)	FOV (mm)
Trace Diffusion/ADC	AX	5	220
T1	SAG*	5	220
FLAIR	AX	5	220
T2	AX	5	220
SWI	AX	5	220
T2 HASTE	COR	5	220

\* If MRI is performed with administration of intravenous contrast, SAG T1 is replaced by precontrast AX T1 of 5-mm thickness. Postcontrast sequences would include axial and coronal spine-echo postcontrast images of 5-mm thickness.