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# Outcomes of patients with thrombotic thrombocytopenic purpura treated in an intensive care unit

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SUPPLEMENTARY TABLE I. Details of individual patients

Patient	Age (years)	Gender	APACHE II	PLASMIC score	Steroid		PE sessions/ cumulative volume (L)	AKI recovery	Length of stay (days)		MV (days)	Comorbid conditions	Final outcome	Complications	Clinical presentation
					Type	Dose (mg)			ICU	Hospital					
1	32	M	13	7	D	12	9/22	–	12	18	3	Human retroviral disease	Discharged – alive	Nil	Altered sensorium, macroscopic haematuria
2	31	M	30	4	D	16	NR	–	6	6	6	HTN, CKD	Died – attributable to TTP-pulmonary thromboembolism	Pulmonary embolism, acute renal failure requiring dialysis	Chest pain, vomiting
3	23	M	12	6	NR	–	NR	In ICU	5	10	0	Nil	Discharged – alive	Nil	Seizures, vomiting, proteinuria
4	31	F	18	6	NR	–	8/13.5	–	9	17	0	Nil	Discharged – alive	Urinary tract infection, pneumonia	Seizures, vomiting, abdominal pain; proteinuria
5	75	F	20	6	H	300	NR	–	2	3	2	Hypothyroidism	DAMA	Status epilepticus	Seizures, focal deficits, proteinuria, microscopic haematuria
6	23	F	13	5	M	500	6/6	–	10	17	8	Nil	Died – septic shock (pneumonia)	IVAC, TRALI, pulmonary oedema, acute renal failure requiring dialysis	Cutaneous bruising, menorrhagia, proteinuria, microscopic haematuria, anuria
7	21	F	4	7	D	12	2/3	–	4	4	0	Nil	Died – attributable to TTP-hyperkalaemic cardiac arrest	Cerebral oedema, haemolysis	Altered sensorium, seizures, headache, vomiting; proteinuria; microscopic haematuria
8	35	M	3	5	NR	–	NR	6 months	7	12	0	Nil	Discharged – alive	Acute severe pancreatitis, acute renal failure requiring dialysis	Vomiting, abdominal pain, oliguria
9	24	F	11	6	D	12	10/13.5	–	18	33	0	Nil	Discharged – alive	Nil	Seizures, vomiting; proteinuria, microscopic haematuria
10	25	F	10	5	NR	–	5/11.5	In ICU	8	13	0	Nil	Discharged – alive	Nil	Headache, visual disturbance

contd.

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					Type	Dose (mg)			ICU	Hospital					
11	31	M	12	6	D	12	3/3.5	1 year	3	16	0	Nil	Discharged – alive	Acute severe pancreatitis, acute renal failure requiring dialysis	Abdominal pain, proteinuria, microscopic haematuria
12	58	F	19	4	M	60	NR	–	13	131	10	Hypothyroidism DM	Died – septic shock (urosepsis)	NSTEMI, acute renal failure requiring dialysis, pyelonephritis	NSTEMI, vomiting, bloody diarrhoea, abdominal pain, proteinuria, microscopic haematuria, anuria
13	49	F	15	6	D	12	5/9.5	Progressed to ESRD	10	27	0	DM, osteoarthritis	Discharged – alive	Acute renal failure requiring dialysis	Left ventricular systolic dysfunction, proteinuria, microscopic haematuria, anuria
14	36	F	33	6	NR	–	NR	–	11	35	5	Hypothyroidism, HTN, CKD	Withdrawal of life support	CAUTI, mesenteric ischaemia, hypoxic encephalopathy, acute renal failure requiring dialysis	Abdominal pain, proteinuria, microscopic haematuria, anuria, abdominal pain
15	20	M	41	5	NR	–	6/12	1 year	8	18	6	Psychiatric illness	Discharged – alive	CLABSI, acute severe pancreatitis, seizures, acute renal failure requiring dialysis	Seizures, vomiting, abdominal pain, proteinuria, oliguria
16	54	F	20	7	D	40	NR	–	1	2	0	Hypothyroidism COPD, HTN, DM	Died – attributable to TTP-cerebral oedema	Refractory intracranial hypertension, status epilepticus	Altered sensorium, cutaneous bruising, proteinuria, macroscopic haematuria
17	55	F	17	4	NR	–	NR	Progressed to ESRD	4	29	0	COPD	Discharged – alive	Acute renal failure requiring dialysis	Vomiting, bloody diarrhoea, anasarca, anuria,
18	38	F	8	5	NR	–	NR	–	1	1	1	Nil	Died – attributable to TTP-hyperkalaemic cardiac arrest	Mesenteric ischaemia, haemolysis	Menorrhagia, vomiting, abdominal pain

contd.

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					Type	Dose (mg)			ICU	Hospital					
19	45	F	19	5	D	12	6/6.5	–	6	11	2	Hypothyroidism, DM	Died – septic shock (bloodstream infections)	CLABSI, CAUTI, acute renal failure requiring dialysis	Cutaneous bruising, proteinuria, microscopic haematuria, anuria
20	25	M	14	7	D	12	4/8	–	4	11	0	Nil	Discharged – alive	Acute cerebrovascular accident	Stroke, seizures, focal deficits, headache; vomiting, proteinuria, microscopic haematuria
21	25	F	9	6	M	1000	3/6	In ICU	4	8	0	Hypothyroidism, HTN	Discharged – alive	Nil	Headache, vomiting, proteinuria
22	30	F	23	4	M	500	2/4	Progressed to ESRD	6	25	4	Nil	Discharged – alive	Acute pancreatitis, abruptio placenta, acute renal failure requiring dialysis	Bleeding from line sites, proteinuria, microscopic haematuria, anuria
23	32	F	17	4	D	20	1/2	Progressed to ESRD	2	22	0	Hypertension	Discharged – alive	Acute renal failure requiring dialysis	Menorrhagia, anuria, proteinuria, microscopic haematuria
24	61	M	30	5	NR	–	NR	–	4	11	3	IHD, CKD	Died – attributable to TTP-hyperkalaemic cardiac arrest	Haemolysis, acute renal failure requiring dialysis	Myocardial infraction, proteinuria, microscopic haematuria, anuria
25	30	F	21	7	M	1000	4/8	–	7	12	0	Nil	Discharged – alive	Stroke, sepsis – bloodstream infection, acute renal failure requiring dialysis	Seizures, focal deficits, proteinuria, microscopic haematuria
26	31	F	8	7	NR	–	4/5	–	5	8	0	Nil	Discharged – alive	Seizures	Headache, vomiting proteinuria, microscopic haematuria
27	41	F	14	6	NR	–	2/6	–	4	5	3	Nil	Died – attributable to TTP-hyperkalaemic cardiac arrest	Haemolysis, IVAC, acute renal failure requiring dialysis	Headache, visual disturbance, menorrhagia, microscopic haematuria, anuria

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					Type	Dose (mg)			ICU	Hospital					
28	35	F	11	7	D	12	1/2	-	4	4	2	Nil	Died – attributable to TTP-cerebral oedema	Refractory intracranial hypertension, status epilepticus	Seizures, headache
29	25	F	9	7	M	1000	1/2	-	4	5	0	Hypothyroidism, HTN	DAMA	Miscarriage	Foetal demise
30	45	F	18	6	M	1000	5/12.7	-	5	5	2	Nil	Died – septic shock (pneumonia)	IVAC, acute cerebrovascular accident, upper gastrointestinal bleeding, seizures	Stroke, focal deficits, headache, cutaneous bruising, vomiting, proteinuria, microscopic haematuria
31	23	F	21	3	NR	-	NR	Progressed to ESRD	2	27	2	HTN	Discharged – alive	CLABSI, haematoma following renal biopsy, acute renal failure requiring dialysis	Anuria, fluid overload
32	32	M	12	6	M	1000	NR	-	2	14	0	Nil	Discharged – alive	CLABSI	Altered sensorium, seizures, headache, vomiting
33	28	M	22	6	M	1000	10/18.8	-	12	17	7	Nil	Discharged – alive	Nil	Seizures, loose stools, vomiting

D dexamethasone    M methylprednisolone    H hydrocortisone    NR not received    CKD chronic kidney disease    DM diabetes mellites type II    HTN systemic hypertension    AKI acute kidney injury  
 COPD chronic obstructive pulmonary disease    CLABSI central line-associated bloodstream infections    CAUTI catheter-associated urinary tract infection    IVAC infection-related ventilator-associated complication  
 TRALI transfusion-related acute lung injury    DAMA discharge against medical advice    ICU intensive care unit    MV mechanical ventilation    ESRD end-stage renal disease    NSTEMI non-ST elevation myocardial infarction