

Patient PP. 49 year old male. 60 kg

Screen shots from patient notes

Issues:

- Anuric renal failure
- HDx via permacath
- issues with agitation and severe distress while dialysing
- incomplete session 8/11, requiring diazepam
- plan to continue offering dialysis 3 x /week as per renal
- discussion with gen med and ICU on 10/11 to commence regular diazepam pre-dialysis

Ventilation via tache

- Persistent small leak
- Previously cultured MSSA
- On AirVo
- continuing to wean as able

Enteral feed via Jej

- Previously on reduced feed due to periods without dialysis access
- Now on full feeds

MSSA bacteraemia

- Currently on cephazolin, will need a total of 2-3 weeks of IV ABx
- Last fever 2/11
- Last positive blood culture 29/10

Urine cloudy, showed >1000 leucs

Progress

- 4 hours of dialysis today, agitated throughout, settled for last hour, had STAT diazepam 2.5mg

multiple episodes of sepsis

#Tracheostomy

#R CFV and external iliac DVT- presumed line related -DVT - US LL 17/10 nil further

Tracheostomy 21/9/19

gastric volvulus- total gastrectomy and Roux-en-Y reconstruction 7/9/19

prev VAP and aspiration pneumonitis

Jej feeds

FBE	
Hb	90
WBC	14.49
Platelets	233
Hct	0.27
MCV	90
MCH	29.8
MCHC	330
RBC	3.01
RDW	15.2
Neutrophils	11.79
Lymphocytes	1.37
Monocytes	1.02
Eosinophils	0.28
Basophils	0.04
FBE Phone Comment	
Miscellaneous Haem	
Reticulocytes	
Reticulocytes %	
Coagulation	
Anticoagulant?	Clexane
INR	* (c) 9.15
PT	(c) 107.3
PT Correction	
APTT	* (c) 52.9
APTT Correction	
Fibrinogen Level	(c) 5.07
TCT	(c) 22.7
Coag Phone Comment	* Phoned Comm
D-Dimer	
Coag Comment	

Routine Biochem	
Sodium	136
Potassium	4.4
Chloride	95
Bicarbonate	23
Urea	33.0
Creatinine	429
eGFR	* 13
Calcium	2.09
Calcium Corrected	* See Comment
Magnesium Level	1.47
Phosphate Level	3.17
LFT / gastro	
Total Protein	76
Albumin	19
Globulin	57
Bilirubin	<5
ALT	<6
GGT	24
ALP	110

AXA 0.09

Patient having dialysis.

Clinical consult resulted in sample presumed to be contaminated with citrate.

Enteral feed via Jej

- Previously on reduced feed due to periods without dialysis access
- Commenced on full feeds from today.

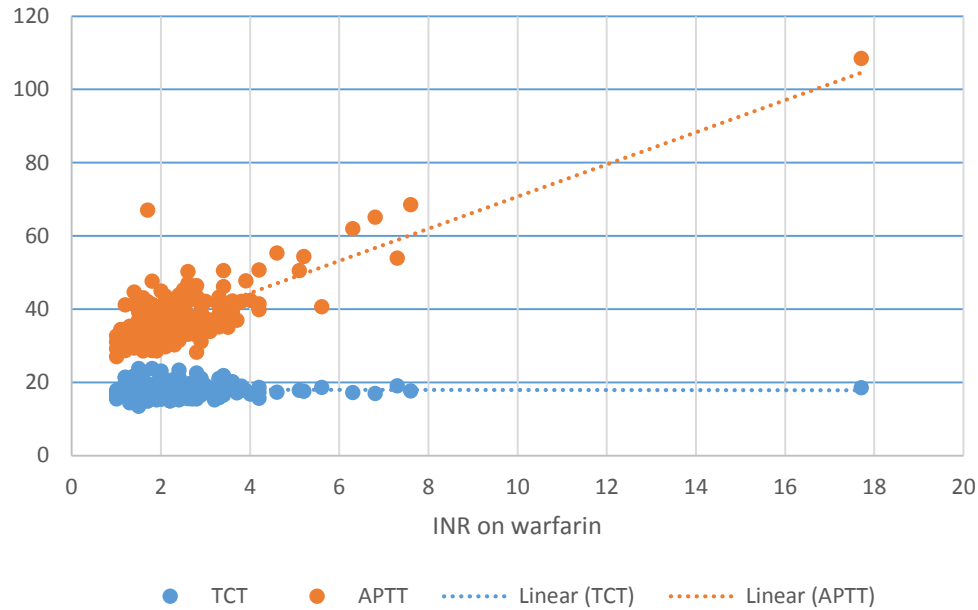
MSSA bacteriemia - last fever 02/11

- Day 9 IVAbx
- Currently on cephazolin.
- TTE pending

Haematology	18-11-2019 08:36	17-11-2019 09:44	17-11-2019 05:07	17-11-2019 05:04	17-11-2019 04:06	17-11-2019 01:57	16-11-2019 09:37	15-11-2019 14:21	14-11-2019 09:09	13-11-2019 08:32	11-11-2019 08:46
FBE											
<input type="checkbox"/> Hb	84	84	92		87	90	98	83	90	85	90
<input type="checkbox"/> WBC	7.67	7.58	8.54		7.00	7.77	7.25	7.81	8.10	11.03	14.49
<input type="checkbox"/> Platelets	266	268	280		256	275	274	243	211	208	233
<input type="checkbox"/> Hct	0.25	0.25	0.28		0.27	0.27	0.30	0.25	0.27	0.26	0.27
<input type="checkbox"/> MCV	90	90	90		90	90	90	90	90	91	90
<input type="checkbox"/> MCH	30.2	29.9	30.2		29.4	29.9	29.9	29.6	30.2	29.9	29.8
<input type="checkbox"/> MCHC	335	333	334		326	333	331	329	334	331	330
<input type="checkbox"/> RBC	2.79	2.83	3.05		2.94	3.00	3.29	2.80	2.98	2.83	3.01
<input type="checkbox"/> RDW	15.4	14.9	15.4		15.3	15.5	15.6	15.5	15.5	15.7	15.2
<input type="checkbox"/> Neutrophils	4.94	4.97	6.18		5.21	5.82	4.71	5.47	5.29	8.61	11.79
<input type="checkbox"/> Lymphocytes	1.70	1.65	1.18		0.80	0.93	1.63	1.30	1.70	1.21	1.37
<input type="checkbox"/> Monocytes	0.71	0.76	0.85		0.71	0.72	0.57	0.70	0.84	0.86	1.02
<input type="checkbox"/> Eosinophils	0.30	0.19	0.27		0.24	0.27	0.30	0.31	0.21	0.29	0.28
<input type="checkbox"/> Basophils	0.03	0.02	0.05		0.04	0.04	0.04	0.03	0.06	0.06	0.04
FBE Phone Comment											
Miscellaneous Haem											
<input type="checkbox"/> Reticulocytes											
<input type="checkbox"/> Reticulocytes %											
Coagulation											
Anticoagulant?	Post Vit-K	Not Specified		None	Not Specified	Not Specified					Clexane
<input type="checkbox"/> INR	1.1	1.4		8.8	8.9	8.4					* (c) 9.15
<input type="checkbox"/> PT	14.2	17.8		103.1	104.9	99.0					(c) 107.3
PT Correction				See Comment							
<input type="checkbox"/> APTT	* 34.7	* 37.6		* 67.9	* 70.2	* 69.6					* (c) 52.9
APTT Correction				See Comment							
<input type="checkbox"/> Fibrinogen Level	5.5	5.6		6.1	6.0	6.2					(c) 5.07
<input type="checkbox"/> TCT	20.1	19.2		20.9	21.4	20.1					(c) 22.7
Coag Phone Comment				* Phoned Comm	* Phoned Comm	* Phoned Comm					* Phoned Comm
<input type="checkbox"/> D-Dimer						* 0.91					
Coag Comment				Coag Comment							

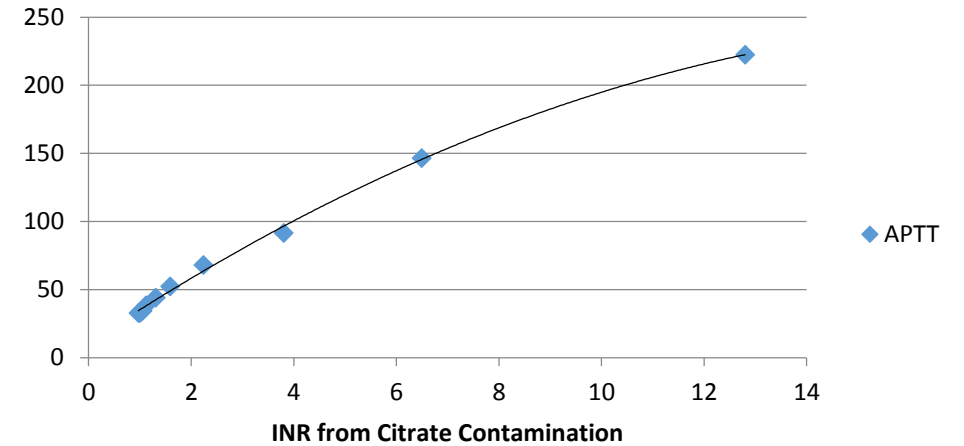
6 days later the results are confirmed when patient is oozing post surgery.
How could this be a real result?

Warfarin v's APTT and TCT



This chart shows the correlation between INR and APTT for Triniclot APTT reagent on our analysers. Note that at an INR of around 9.0 the projected APTT from warfarin alone would be around 65 seconds

INR v's APTT in Citrate Contamination



This chart shows the correlation between citrate contaminated INR and APTT for Triniclot APTT reagent on our analysers. Note that at an INR of around 9.0 the projected APTT from citrate contamination would be around 175 seconds

Showing results from (03-10-2019 - 20-11-2019) [Show more results](#)

Haematology	11-11-2019 08:46	08-11-2019 08:17	07-11-2019 12:40	06-11-2019 12:16	06-11-2019 08:38	06-11-2019 04:12	05-11-2019 09:55	04-11-2019 14:11	03-11-2019 09:52	02-11-2019 09:24	01-11-2019 08:47	31-10-2019 05:39	30-10-2019 09:05	29-10-2019 03:39	28-10-2019 07:32	26-10-2019 04:56	25-10-2019 04:22
FBE																	
Hb	90	96	103		105		111	109	118	118	101	104	78	87	88	87	82
WBC	14.49	9.86	8.07		9.13		8.31	9.43	10.45	9.88	8.24	7.80	9.25	11.45	9.31	7.82	6.71
Platelets	233	223	224		240		263	296	288	276	210	177	179	188	196	200	203
Hct	0.27	0.29	0.31		0.32		0.33	0.32	0.35	0.35	0.30	0.31	0.23	0.26	0.27	0.26	0.25
MCV	90	90	90		90		90	90	90	90	89	90	89	90	89	89	90
MCH	29.8	29.5	29.7		29.7		30.7	30.2	30.2	30.1	29.9	30.5	30.0	29.7	29.7	29.5	30.0
MCHC	330	330	332		329		339	335	336	335	334	338	335	331	333	330	335
RBC	3.01	3.25	3.47		3.54		3.63	3.60	3.90	3.92	3.40	3.42	2.61	2.94	2.98	2.95	2.73
RDW	15.2	14.7	14.8		14.7		14.8	14.8	14.9	15.1	14.9	14.9	15.1	15.3	15.3	14.7	15.1
Neutrophils	11.79	6.66	5.68		5.79		5.87	6.35	6.65	5.95	5.40	5.29	6.07	8.23	6.16	5.32	4.53
Lymphocytes	1.37	2.10	1.36		1.95		1.17	1.86	2.21	2.15	1.45	1.30	1.96	1.73	1.77	1.45	1.24
Monocytes	1.02	0.85	0.84		0.99		0.88	0.72	1.09	1.27	0.94	0.89	0.94	1.23	1.04	0.78	0.65
Eosinophils	0.28	0.22	0.16		0.35		0.33	0.40	0.44	0.42	0.40	0.26	0.26	0.23	0.30	0.23	0.25
Basophils	0.04	0.03	0.03		0.06		0.05	0.10	0.07	0.09	0.05	0.05	0.02	0.03	0.03	0.05	0.04
FBE Phone Comment																	
Miscellaneous Haem																	
Reticulocytes																	
Reticulocytes %																	
Coagulation																	
Anticoagulant?	Clexane			None		Not Specified								Clexane			Clexane
INR	* (c) 9.15			1.7		2.0								1.5			1.1
PT	(c) 107.3			22.1		25.2								19.9			14.0
PT Correction																	
APTT	* (c) 52.9			* 35.4		* 36.8								* 39.4			* 37.8
APTT Correction																	
Fibrinogen Level	(c) 5.07			8.5		5.5								7.1			5.9
TCT	(c) 22.7			25.1		24.2								20.3			22.2
Coag Phone Comment	* Phoned Comm																
D-Dimer																	
Coag Comment																	

- 1) Looking back this patient “probably” started becoming vitamin K deficient around the 29th October
- 2) The pattern seen on 11/11/2019 is consistent with a warfarin/vitamin k/combined deficiency rather than a citrate or central line contamination.
- 3) These are relatively rare but always consider vitamin K in long term antibiotics and/or gastro disturbance
- 4) Patient, 49Y Male, 60kg, given 10mg vitamin K and 2 x FFP