Genomics of Drug Induced Renal Injury : Patient Summary at a Glance

Patient Information

Patient ID:	SA0009
Patient Type:	Inpatient
Gender:	Male
Age:	23
Race:	Hispanic or Latino
Weight (kg):	117.9
Height (cm):	177.8
BSA:	2.41
BMI:	37.3
Phenotype:	AKI (↑SCr)
RefSCr1(mg/dl):	0.87 (04/17/2013)
RefSCr2(mg/dl):	1.33 (04/16/2013)

Medical History

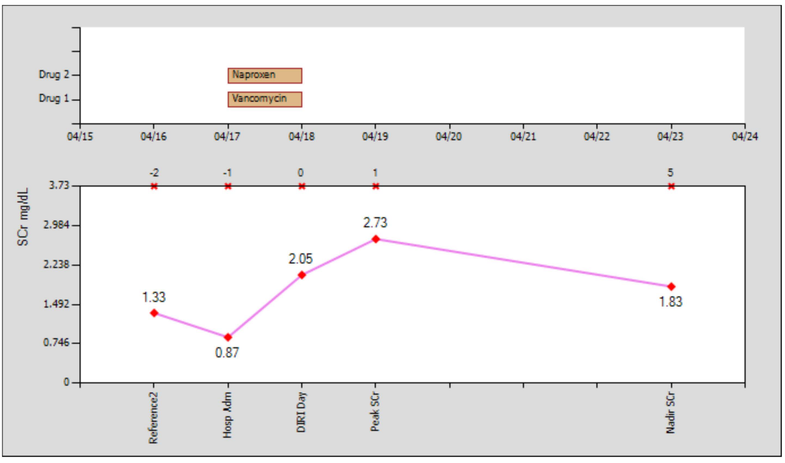
Reason for Hospital Admission or Clinic Visit:
Patient has h/o plaque psoriasis with flare lesions covering 75% BSA. Patient returns to ED after blood cultures drawn in ED grew 3/4 bottles GPC which look like staph. Nephrology consult thinks AKI is probably multifactorial, but could have been contributed to by the vancomycin in the setting of nonsteroidal use and also underlying sepsis.

Known Medical History:
Autoimmune disease, Current Smoker

Kidney Biopsy

No kidney biopsy.

Serum Creatinine and Drug Time Course:



Clinic Data:

	Hosp Adm	Pre-Exposure	Exposure Start	Exposure Stop	DIRI Day	Peak SCr	Nadir SCr	Hosp Disch
CRF06_VitalsLabs								
Date	2013-04-17	2013-04-17	2013-04-17	2013-04-17	2013-04-18	2013-04-19	2013-04-23	2013-04-23
Days from DIRI	-1	-1	-1	-1	0	1	5	5
Temperature	36.8	36.8	36.8	36.8	36.3	36.7	36.6	36.6
SBP/DBP	121/70	121/70	121/70	121/70	140/71	136/85	147/81	147/81
Heart Rate	115	115	115	115	84	78	88	88
SCr (mg/dL)	0.87	0.87	0.87	0.87	2.05	2.73	1.83	1.83
On Dialysis	Yes	No	No	No	No	No	No	No
GFR	121.7	121.7	121.7	121.7	44.4	31.4	50.9	50.9
BUN (mg/dL)	7	7	7	7	11	16	14	14
Intake (ml)	1590/24hr	1590/24hr	1590/24hr	1590/24hr	2210/24hr	2313/24hr	1080/15hr	1080/15hr
Output (ml)	2000/24hr	2000/24hr	2000/24hr	2000/24hr	2491/24hr	2345/24hr	2100/15hr	2100/15hr
Urine Output (ml)	2000/24hr	2000/24hr	2000/24hr	2000/24hr	2490/24hr	2345/24hr	2100/15hr	2100/15hr
CRF07_UAUC								
UA Protein					Negative			
UA RBC					NA			
UA WBC					NA			
UA Eosinophils					Absent			
CRF04_PhysicalExam								
Edema	None	None	None	None	Not Recorded	Not Recorded	None	None
Lung Rales	Absent	Absent	Absent	Absent	Present	Absent	Absent	Absent
Heart	Arrythmias	Arrythmias	Arrythmias	Arrythmias	No Abnormalities	No Abnormalities	No Abnormalities	No Abnormalities
Ascites	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Jaundice	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Foley Catheter	Yes	No	No	No	No	No	No	No
Fluid Overload	X-Ray Not Done	X-Ray Not Done	X-Ray Not Done	X-Ray Not Done	X-Ray Not Done	No	X-Ray Not Done	X-Ray Not Done
Surgical Status	None	None	None	None	None	None	None	None
Source of Infection	Known	Known	Known	Known	Known	Known	Known	Known
Cultures Done?	Yes	Yes	Yes	Yes	Yes	No	No	No
CRF05_RiskFactors								
Contrast Agents	Yes (1)	Yes (1)	Yes (1)	Yes (1)	No	No	No	No
Nephrotoxic Agents	Yes (2)	Yes (2)	Yes (2)	Yes (2)	Yes (2)	Yes (1)	Yes (1)	Yes (1)
Surgeries requiring anesthesia	No	No	No	No	No	No	No	No
MAP < 65	No	No	No	No	No	No	No	No
Addtl Risk Factors	Yes (2)	Yes (2)	Yes (2)	Yes (2)	Yes (1)	Yes (1)	No	No
RBC Transfusion	No	No	No	No	No	No	No	No
Hyperglycemia	No	No	No	No	No	No	No	Yes

Drug Dosing:

	Episode 1	Episode 2	Episode 3	Episode 4	Episode 5	Episode 6	Episode 7	Episode 8	Episode 9	Episode 10
Drug 1: Vancomycin (V01)										
Start Time	04-17 02:55	04-17 10:45								
End Time	04-17 02:55	04-18 05:11								
Dose	1750 mg	1000 mg								
Frequency (hr)	24	6								
Route	IV	IV								
Concentration		46.2 mcg/mL								
Conc Time		04-18 05:46								
Drug 2: Naproxen (N02)										
Start Time	04-17 09:48									
End Time	04-18 17:41									
Dose	500 mg									
Frequency (hr)	12									
Route	PO									
Concentration										
Conc Time										