

Date: 06/14/13
Time: 1207

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Lodi Memorial Hospital Laboratory Summary

975 South Fairmont Avenue Lodi, California 95240
Elvira Milano, MD, et al - Director (209) 339-7584

Name: PARVIN, MARY JEAN	Acct: V024703878	Status: DIS IN	Attend Dr: Hlaing, Min M MD - HOSP
DOB: 03/16/43 Age/Sex: 70/F	Unit: M053082	Registered: 06/04/13	Room-Bed: 277-A

*** HEMATOLOGY ***

Date	6/6/2013	6/5/2013	6/4/2013		
Time	0540	0541	1459	Reference	Units
WBC	5.2	7.5	5.1	(5.0-9.5)	K/mm3
RBC	4.06	4.50	4.40	(3.70-5.50)	M/uL
HGB	12.4	13.7	13.3	(12.0-16.0)	g/dL
HCT	36.5 L	40.1	39.5	(37.0-47.0)	%
MCV	89.9	89.1	89.7	(80.0-99.0)	fL
MCH	30.4	30.4	30.1	(27.0-33.0)	pg
MCHC	33.9	34.1	33.6	(31.8-36.2)	g/dL
RDW	18.0 H	18.1 H	16.5 H	(10.0-16.4)	%
PLATELET COUNT	192	259	211	(140-450)	K/mm3
MPV	8.4	9.6	10.2	(7.5-10.5)	fL
PMNS	49.4	58.5	62.6	(37-80)	%
LYMPHOCYTES	34.3	25.1	25.1	(10.0-50.0)	%
MONOCYTES	10.7	10.9	8.3	(<12.0)	%
EOSINOPHILS	4.3	4.4	2.8	(<7.0)	%
BASOPHIL	1.3	1.2	1.2	(<2.5)	%
ABS PMNS	2.57	4.41	3.21	(2.40-7.56)	K/uL
ABS LYMPHS	1.79	1.89	1.29	(0.96-4.75)	K/uL
ABS MONOS	0.56	0.82	0.43	(0.10-1.00)	K/uL
ABS EOS	0.22	0.33	0.14	(0.00-0.45)	K/uL
ABS BASOS	0.07	0.09	0.06	(0.00-0.20)	K/uL

*** BEDSIDE TESTING ***

Date	-----6/9/2013-----		-----6/8/2013-----			
Time	1107	0743	2101	1805	1118	Reference Units
ACCUCHEK GLUCOSE	165 H	52 L	232 H	181 H	136 H	(70-110) mg/dL

Date	-----6/8/2013-----		-----6/7/2013-----			
Time	0900	0746	2051	1753	1152	Reference Units
ACCUCHEK GLUCOSE	91	54 L	94	93	71	(70-110) mg/dL

Date	6/7/2013	-----6/6/2013-----				
Time	0751	2015	1704	1117	0734	Reference Units
ACCUCHEK GLUCOSE	81	120 H	106	202 H	209 H	(70-110) mg/dL

Date	-----6/5/2013-----					
Time	2128	1710	1125	0917	0719	Reference Units
ACCUCHEK GLUCOSE	157 H	171 H	85	96	105	(70-110) mg/dL

Date	-----6/4/2013-----					
Time	2201	1829				Reference Units
ACCUCHEK GLUCOSE	286 H	327 H				(70-110) mg/dL

Name: PARVIN, MARY JEAN	Unit: M053082	Acct: V024703878	Status: DIS IN	Room-Bed: 277-A
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Name: PARVIN, MARY JEAN Unit: M053082 Acct: V024703878 Room-Bed: 277-A (Continued)

*** CHEMISTRY ***

Date	6/8/2013	-----6/7/2013-----	-----6/6/2013-----			
Time	0712	1242	0025	1857	1139	Reference Units
POTASSIUM	3.9	4.2	4.4	3.8	4.0	(3.6-5.1) mmol/L
Date	-----6/6/2013-----	-----6/5/2013-----				
Time	0540	0540	0902	0541	0541	Reference Units
SODIUM		139				(134-143) mmol/L
POTASSIUM		3.9				(3.6-5.1) mmol/L
CHLORIDE		106				(98-107) mmol/L
CARBON DIOXIDE		29				(22-32) mmol/L
GLUCOSE		149 H				(70-110) mg/dL
BUN		42 H				(8-21) mg/dL
CREATININE		2.19 H				(0.44-1.03) mg/dL
BUN/CREAT RATIO		19.2				(6.0-20.0)
GFR		22.2 (A)				

(A) Estimated GFR in ml/min/1.73 square meters. Rates of less than 60 are suggestive of Chronic Kidney Disease.

CALCIUM	8.3 L		(8.9-10.3)	mg/dL
ALBUMIN	2.3 L		(3.5-4.8)	g/dL
TOTAL PROTEIN	4.8 L		(6.1-7.9)	g/dL
GLOBULIN	2.5		(2.0-3.8)	gm/dL
ALB/GLOB RATIO	0.9 L		(1.2-2.5)	
PHOSPHOROUS	4.8 H		(2.4-4.7)	mg/dL
BILI, TOTAL	0.6		(0.1-2.0)	mg/dL
ALK PHOSPHATASE	72		(38-126)	IU/L
ALT/SGPT	12 L		(14-54)	IU/L
SGOT/AST	19		(15-41)	IU/L
TRIGLYCERIDES	115		(45-250)	mg/dL
CHOLESTEROL	112		(<200)	mg/dL
HDL CHOLESTEROL	36		(35-85)	mg/dL
LDL-CALCULATED	53		(10-130)	mg/dL
RISK RATIO	3.1		(<4.5)	
TSH			12.30 H	(0.34-5.60) uIU/mL
T4, FREE		0.99		(0.58-1.64) ng/dL
BNP	792 (B) H			(< 176) pg/mL

(B) Congestive Heart Failure Severity Classification

CLASS	BNP UPPER LIMIT
NYHA Class 1	176 pg/mL
NYHA Class 2	396 pg/mL
NYHA Class 3	678 pg/mL
NYHA Class 4	977 pg/mL

Please use BNP results in conjunction with other diagnostic information. This test is approved by the FDA for the diagnosis of all degrees of CHF severity including asymptomatic patients.

% HGE A1C	11.96 H	(4.4-6.4) %
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*** CHEMISTRY (con't) ***

Date	-----6/6/2013-----	-----6/5/2013-----					
Time	0540	0540	0902	0541	0541	Reference	Units
eAG				297 (C)			mg/dL

(C) Estimated Average Glucose = $28.7 \times A1c - 46.7$

American Diabetes Association and International Expert Committee (2009) recommend the diagnosis of diabetes is made if HgbA1c is $\geq 6.5\%$. Diagnosis should be confirmed with a repeat HgbA1c test unless clinical symptoms and glucose concentration >200 mg/dL are present.

Date	6/5/2013	-----6/4/2013-----					
Time	0541	1459	1459	1459	1459	Reference	Units
SODIUM	144 H					(134-143)	mmol/L
POTASSIUM	4.0					(3.6-5.1)	mmol/L
CHLORIDE	110 H					(98-107)	mmol/L
CARBON DIOXIDE	28					(22-32)	mmol/L
GLUCOSE	44 (a) CL					(70-110)	mg/dL
BUN	37 H					(8-21)	mg/dL
CREATININE	2.02 H					(0.44-1.03)	mg/dL
BUN/CREAT RATIO	18.3					(6.0-20.0)	
GFR	24.3 (D)						

(D) Estimated GFR in ml/min/1.73 square meters. Rates of less than 60 are suggestive of Chronic Kidney Disease.

CALCIUM	8.7 L					(8.9-10.3)	mg/dL
ALBUMIN	2.6 L					(3.5-4.8)	g/dL
TOTAL PROTEIN	5.3 L					(6.1-7.9)	g/dL
GLOBULIN	2.7					(2.0-3.8)	gm/dL
ALB/GLOB RATIO	1.0 L					(1.2-2.5)	
PHOSPHOROUS	4.0					(2.4-4.7)	mg/dL
MAGNESIUM	1.8					(1.6-2.4)	mg/dL
BILI, TOTAL	0.8					(0.1-2.0)	mg/dL
ALK PHOSPHATASE	80					(38-126)	IU/L
ALT/SGPT	16					(14-54)	IU/L
SGOT/AST	24					(15-41)	IU/L

NOTES: (a) Critical result verified in the EHR. Notified:
NATELLA RUSU, RN/2S
by SUIZA, CHARLIE M on 06/05/13 at 0703.

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*** CHEMISTRY (con't) ***

Date	6/5/2013	-----6/4/2013-----					
Time	0541	1459	1459	1459	1459	Reference	Units

PROCALCITONIN						< 0.05 (E)	(≤ 0.5) ng/mL
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(E)

INTERPRETATION: Systemic infection (sepsis) is not likely.
Local bacterial infection is possible.

RISK AND OPTIONS FOR FURTHER ACTION: Low risk for
progression to severe systemic infection (severe
sepsis/septic shock).

CAUTION: Procalcitonin (PCT) levels below 0.5 ng/mL do not
exclude an infection, because localized infections (without
systemic signs) may be associated with such low levels.

If PCT is measured very early after a bacterial challenge
(usually <6 hours), the value may still be low. In this
case, PCT should be re-assessed 6-24 hours later.

CPK	140	(38-234)	IU/L
TROP	0.04 (F)	(0.01-0.06)	ng/mL

(F) TROPONIN-I RANGES

Result	Interpretation
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0.0-0.06 ng/mL	Apparently healthy individual
Above 0.49 ng/mL	Strongly suggests myocardial infarction

It is recommended to look for increases in Troponin I
levels over 6 to 8 hour intervals.

Any condition resulting in myocardial cell damage can
potentially increase cardiac Troponin-I levels above the
expected values. Clinical studies have documented these
conditions to include unstable angina, congestive heart
failure, myocarditis, invasive testing, and cardiac surgery.

BNP	1453 (G) H	(< 176)	pg/mL
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(G) Congestive Heart Failure Severity Classification

CLASS	BNP UPPER LIMIT
NYHA Class 1	176 pg/mL
NYHA Class 2	396 pg/mL
NYHA Class 3	678 pg/mL
NYHA Class 4	977 pg/mL

Please use BNP results in conjunction with other diagnostic
information. This test is approved by the FDA for the
diagnosis of all degrees of CHF severity including
asymptomatic patients.

LACTIC ACID	1.3	(0.5-2.2)	mmol/L
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Acct: V024703878

Room-Bed: 277-A

(Continued)

*** CHEMISTRY (con't) ***

Date	6/4/2013			Reference	Units
Time	1459				
SODIUM	141			(134-143)	mmol/L
POTASSIUM	4.3			(3.6-5.1)	mmol/L
CHLORIDE	106			(98-107)	mmol/L
CARBON DIOXIDE	27			(22-32)	mmol/L
GLUCOSE	314 H			(70-110)	mg/dL
BUN	35 H			(8-21)	mg/dL
CREATININE	2.07 H			(0.44-1.03)	mg/dL
BUN/CREAT RATIO	16.9			(6.0-20.0)	
GFR	23.7 (H)				

(H) Estimated GFR in ml/min/1.73 square meters. Rates of less than 60 are suggestive of Chronic Kidney Disease.

CALCIUM	8.6 L			(8.9-10.3)	mg/dL
ALBUMIN	2.6 L			(3.5-4.8)	g/dL
TOTAL PROTEIN	5.3 L			(6.1-7.9)	g/dL
GLOBULIN	2.7			(2.0-3.8)	gm/dL
ALB/GLOB RATIO	1.0 L			(1.2-2.5)	
BILI, TOTAL	1.0			(0.1-2.0)	mg/dL
ALK PHOSPHATASE	76			(38-126)	IU/L
ALT/SGPT	14			(14-54)	IU/L
SGOT/AST	19			(15-41)	IU/L

*** URINALYSIS ***

Date	6/4/2013			Reference	Units
Time	1640				
COLOR	YELLOW			(YELLOW)	
APPEARANCE	CLOUDY			(CLEAR)	
SPEC. GRAVITY	1.019			(1.001-1.029)	
PH	6.0			(5.5-8.0)	
PROTEIN	300 H			(NEGATIVE)	mg/dL
GLUCOSE	250			(NEGATIVE)	mg/dL
KETONE	NEGATIVE			(NEGATIVE)	mg/dL
BILIRUBIN	NEGATIVE			(NEGATIVE)	
BLOOD	NEGATIVE			(NEGATIVE)	
UROBILINOGEN	0.2			(0.2-1.0)	E.U./dL
NITRITE	NEGATIVE			(NEGATIVE)	
LEUKOCYTE ESTER	NEGATIVE			(NEGATIVE)	
WBC	< 2			(0-5)	wbc/hpf
RBC	6-10 H			(0-2)	rbc/hpf
BACTERIA	NONE SEEN			(NONE SEEN)	
SQUAMOUS EPIS	MODERATE			(NONE-FEW)	epi/hpf
HYALINE CAST	FEW			(NONE-FEW)	/hpf
CAST, PATHOLOGIC	NONE SEEN (I)			(NONE SEEN)	/hpf

(I) Manual microscopy performed.

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Test	Date	Time	Result	Reference	Units
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CRYSTAL	6/4/2013	1640	(J)	(NONE SEEN)	/hpf
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(J) AMORPHOUS URATES 3+

See also (K)

(K) Manual microscopy performed.

*** MICROBIOLOGY ***

Source: Peripheral Blood

BLOOD CULTURE Final 06/10/13
Collection Date/Time: 06/04/13 1459

No growth after 5 days

BLOOD CULTURE Final 06/10/13
Collection Date/Time: 06/04/13 1459

No growth after 5 days

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