**MOCK RCA Laboratory Results**

**The reports below are not based on a real case but were assembled to demonstrate systems errors that complicate the healthcare system, particularly in the ED.**

Initial labs: CBC, BMP, coags, LFTs, Lactate, Troponin – ordered at 16:30 on 11-May-2017

Jones, Ann 1822220 DOB:21-Apr-1952

EPOC VBG with Lactate and Creatinine Scanned: 16:40

Lab Result

pH 7.37

pCO2 45 mmHg

pO2 40 mmHg

Hemoglobin 9.8

Na 139 mEq

K 4.0 mEq

Ca 1.01

Lactate 0.63

Cr 0.9

Glu 94mg/dL

Jones, Ann 1822220 DOB:21-Apr-1952

Scanned: 16:40 Received in lab: 16:50 Resulted: 17:40

Complete Blood Count with Differential

Lab Result Range

WBC 6K/microL 4-11K/microL

RBC 4.3M/microL 4.2-5.4M/microL

Hemoglobin 9.6g/dL 12-15g/dL

Hematocrit 28.8% 36-42%

Platelets 201K/microL 150-450K/microL

MCV 79fL 80-100fL

MCH 30.4pg/cell 27-33pg/cell

MCHC 33g/dL 30-36g/dL

RDW 13.9% 12-16%

MPV 7.5fL 6.0-9.5fL

Neutrophils 68% 50-75%

Lymphocytes 22% 20-50%

Monocytes 5% 5-10%

Eosinophils 3% 0-5%

Basophils 2% 0-2%

Abs neutrophils 4.76K/microL 1.5-7.8K/microL

Abs lymphocytes 1.54K/microL 0.65-3.9K/microL

Abs monocytes 0.35K/microL 0.2-0.95K/microL

Abs eosinophils 0.21K/microL 0.05-0.55K/microL

Jones, Ann 1822220 DOB: 21-Apr-1952

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Basic Metabolic Panel

Lab Result Range

Sodium 141mEq/L 135-145mEq/L

Potassium 4.6mEq/L 3.5-5.5mEq/L

Bicarbonate 22mEq/L 22-33mEq/L

Chloride 106mEq/L 95-110mEq/L

BUN 15mg/dL 5-20mg/dL

Creatinine 0.8mg/dL 0-1.2mg/dL

Glucose 92mg/dL 70-100mg/dL

Calcium 9.2mg/dL 8.5-10.5mg/dL

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Liver Function Panel

Lab Result Range

Protein 5.9g/dL 6.1-7.9g/dL

Albumin 3.6g/dL 3.5-4.8g/dL

AST 48 IU/L 15-41 IU/L

ALT 59 IU/L 17-63 IU/L

Alk Phosph 88 IU/L 32-91 IU/L

Bili, Total 1.1 mg/dL 0.3-1.2 mg/dL

Bili, Direct 0.5 mg/dL 0.1-0.5 mg/dL

Globulin 2.0 g/dL 1.8-3.3 g/dL

Bili, Indirect 0.6 mg/dL 0.1-0.8 mg/dL

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Troponin

Result: 0.03

*<0.05 is normal value*

*0.5 Acute Coronary Syndrome*

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Urinalysis

pH 6.0

Spec Grav 1.023

Protein negative

Ketones negative

Bilirubin negative

Urobilinogen negative

Nitrites negative

Leuk Est negative

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Coagulation Panel

Lab Result Range

PT 18 10-15

INR 1.0 0.9-1.2

PTT 28 18-28