


# Between Two Ferns: Hospital Medicine Edition



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# Faculty Disclosures

- The faculty members have no relevant disclosures or financial relationships.

# Learning Objectives

At the conclusion of this session, participants should be able to:

1. Distinguish clinical features of various complex hospital medicine cases.
2. Analyze laboratory findings related to various hospital medicine cases.
3. Formulate and narrow a differential diagnosis based on information presented.
4. Select appropriate management and treatments for various diagnoses based on the latest guideline updates in hospital medicine.

# Mr. Stressed

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<b>PMH</b>	Hyperlipidemia, PUD x2
<b>PSH</b>	None
<b>SOCIAL HISTORY</b>	Single Practicing lawyer Smokes 1ppd x 30 years Drinks w/ dinner
<b>MEDS</b>	Tylenol as needed
<b>ROS</b>	Unknown

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<b>Lab</b>	<b>Value</b>
Hemoglobin	14.1
MCV	104
WBC	8,000
Platelets	47,000
ALT	100
AST	259
TSH	1.6
Potassium	4.2
Creatinine	1.0
Bicarbonate	21
Urinalysis	Negative
Alkaline Phosphatase	110
BUN	39
Magnesium	1.2
Sodium	141
Lactate	3.7
Glucose	98
Ethanol	Undetectable

# Thoughts?



# Mr. Sweaty

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<b>PMH</b>	Type 2 Diabetes, Chronic Kidney Disease
<b>PSH</b>	Appendectomy
<b>SOCIAL HISTORY</b>	Single Teacher Smokes 1ppd x 48 years Drinks heavily 3-4 times per week
<b>MEDS</b>	NPU 15u SQ BID, ASA 325mg PO daily, metoprolol 50mg PO BID, amlodipine 5mg PO BID
<b>ROS</b>	+ nausea, vomiting, weight loss, night sweats

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# Admit Labs

Lab	Value
Hemoglobin	8.2
WBC	1,900
Platelets	54,000
Sodium	133
Potassium	6.3
Bicarbonate	23
Creatinine	1.5
LDH	645
Phosphorus	8.6
Calcium	6.8
Uric Acid	9.6



# Mrs. Sofa

Mrs. Sofa is a 45F admitted with fever, back pain and dysuria. Her vitals are normal other than a fever of 101 F. She is mildly confused on exam.

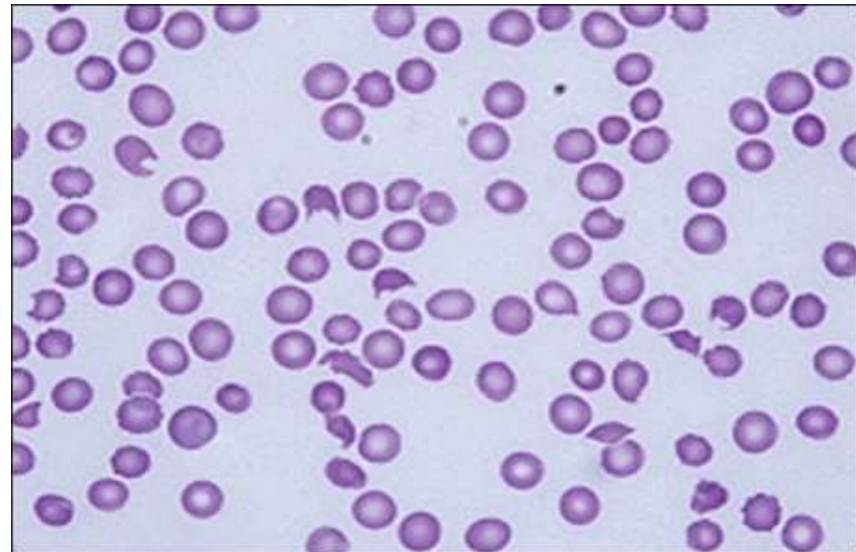
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<b>PMH</b>	Type 2 Diabetes, Stage 1 CKD
<b>PSH</b>	Tonsillectomy
<b>SOCIAL HISTORY</b>	Married Café owner Nonsmoker, No EtOH use
<b>MEDS</b>	Metformin 500mg PO BID
<b>ROS</b>	Otherwise negative

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# Mrs. Sofa

Lab	Value
Hgb	<b>7.8</b>
Hct	<b>34%</b>
WBC	<b>17,000</b>
Plts	<b>20,000</b>
Peripheral Smear	<b>schistocytes</b>
AST	42
ALT	50
BUN	18
Cr	1.0



# Mrs. Sofa

Ok, more data...

Lab	Value
LDH	<b>700</b>
PT	<b>18 sec</b>
Direct bili	0.4

# Mr. Weakness

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<b>PMH</b>	Obesity, Hyperlipidemia, Hypertension, Osteoarthritis
<b>PSH</b>	Total knee arthroplasty, Total hip arthroplasty
<b>SOCIAL HISTORY</b>	Married Nonsmoker, No EtOH use
<b>MEDS</b>	Metoprolol 25mg PO BID, aspirin 81mg PO daily, simvastatin 40mg PO QHS, Ibuprofen 250mg PO daily prn
<b>ROS</b>	Otherwise negative

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# LABS

Lab	Admission	Day 2	Day 3
Hemoglobin	11.2	9.5	8.6
MCV	87	88	91
Platelets	206	259	214
Sodium	141	138	140
Potassium	4.8	5.2	5.2
Bicarbonate	20	21	23
Creatinine	1.0	0.9	1.1
BUN	28	35	48
AST	52	–	–
ALT	55	–	–
UA	Negative	–	–
TSH	1.8	–	–

## Your Review of Vitals...

- Normal saline running 100cc/hr since admission
- Weight is up
- Fluid balance is +2.7L

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