

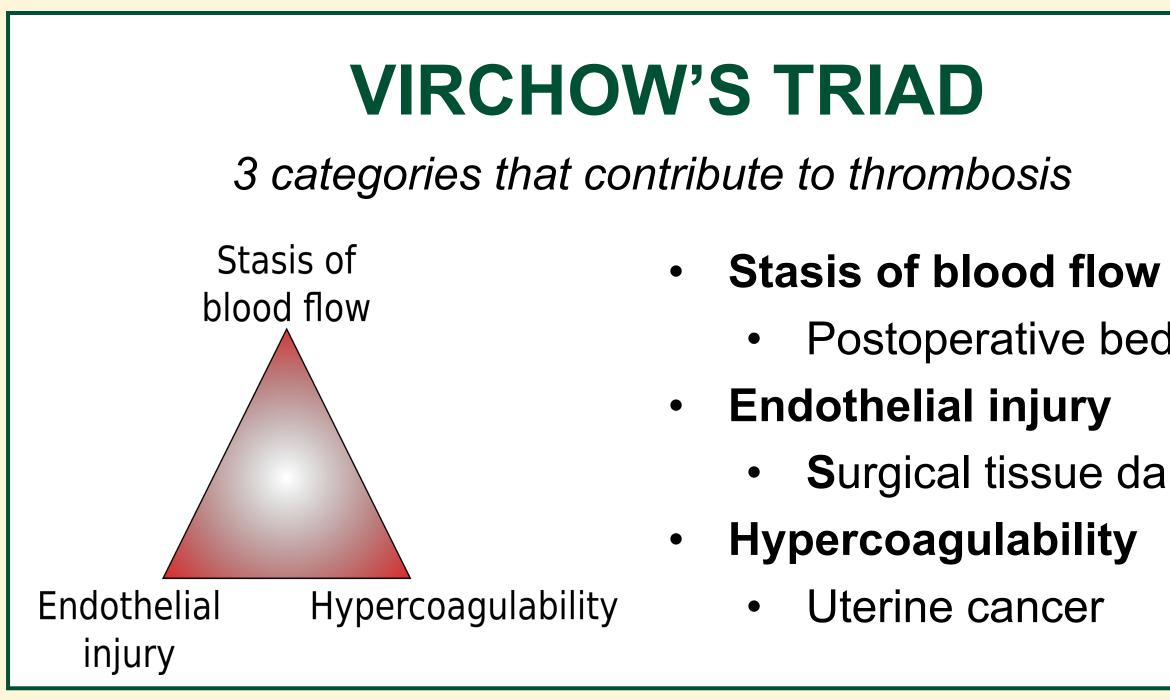
### **CLINICAL HISTORY** 69 Year Old Female - Shortness of Breath / Chronic Cough

•	Onset :	45 min. of severe dyspnea 1 week shortness of breath EMS arrival
•	Context:	4 days prior – pneumonia diagnos Urgent care - "spot on lung" Started on Z- Pak and Augmentin
•	Symptoms	S: Mild thoracic back pain, cough, c breath, nausea and vomiting
•	PMH:	Hysterectomy for uterine cancer 3 Hypertension. On Aspirin daily.

## PHYSICAL EXAM

• Overall:	Ill appearing, in extremis, severely his struggling to breath
<ul> <li>Vitals:</li> </ul>	HR 123, BP 107/61, RR 21, POx 66

- **HEENT:** No sore throat
- **Cardiac:** Tachycardia, no murmurs
- CTA bilateral Pulm: Mild rhonchi LUL No crackles, no wheezing Resonant to percussion
- GI: Soft, nontender, nondistended
- Ext: No peripheral edema, equal in size
- Skin: Well healing surgical hysterectomy incision



# Masquerading Dyspnea – A Hidden Pulmonary Embolism Leah Colucci, B.S., William Korey, M.D. and Jennifer S. Jackson, M.D., FACEP University of Miami Miller School of Medicine, Division of Emergency Medicine

sis

can't catch

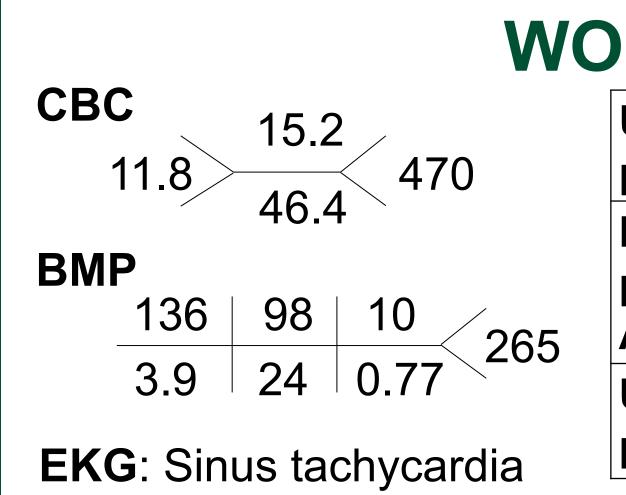
3 weeks prior.

hypoxic,

5% NRB

Postoperative bedrest

Surgical tissue damage



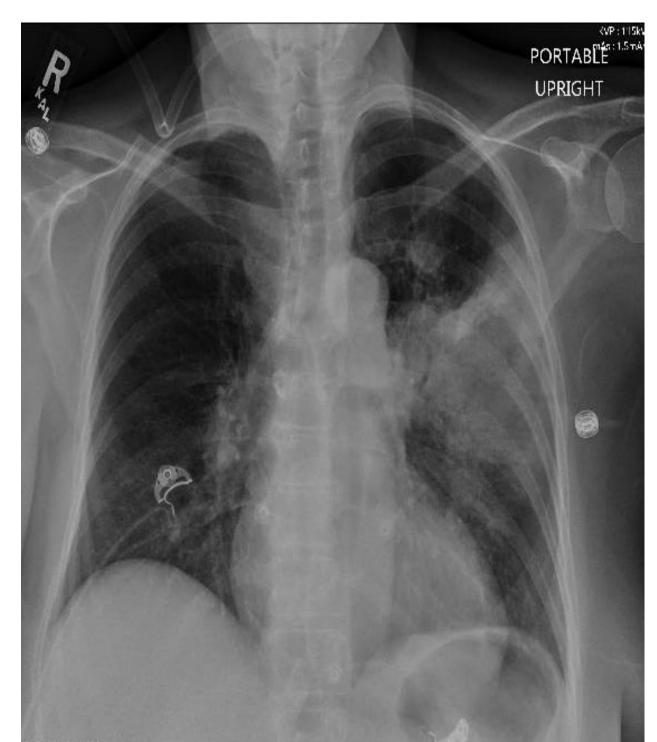
DRKUP			
Ur Legionella pneumophilia	Neg		
Mycoplasma pneumoniae IgM Antibody	Neg		
Ur Streptococcus pneumoniae	Neg		

# IMAGING

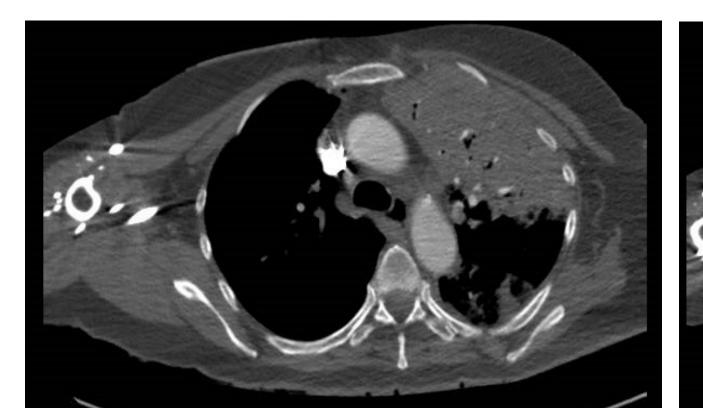
**Urgent Care Chest X-Ray** (4 days prior)

**ED Portable Chest X-Ray** 





LUL small patchy infiltrate/mass, 2.5 cm



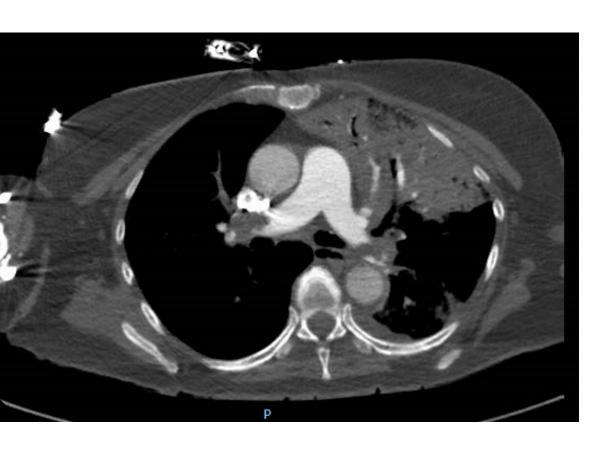


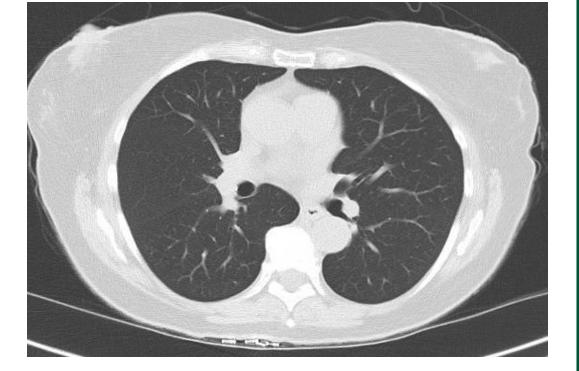
- Extensive bilateral pulmonary embolism
- Left sided pulmonary congestion and infarct
- Dilation of right ventricle

**2** Months Later

Complete resolution

• LUL dense wedge-shaped infiltrate • "Hampton's Hump"





# **CLINICAL COURSE**

### **EMERGENCY DEPARTMENT:**

- - improvement to 80%

### **INPATIENT:**

- IV tPA given despite recent surgery
- thrombosis

Pulmonary Embolism is an important cause of death in cancer patients

### HAMPTON'S HUMP:

- diagnosis of PE

### **RV OVERLOAD:**

- Increased RV Volume
- Elevates troponin and BNP

**CLINICAL MANIFESTATIONS:** 10% of PE patients die within an hour of the event Severe dyspnea • Pleuritic chest pain Chronic Cough

- Tachycardia

## **ACUTE INTERVENTIONS:**

- Intravenous thrombolysis
- Intraarterial thrombolysis
- IVC Filter Placement



 Clinical deterioration requiring orotracheal intubation • Severe hypoxic respiratory failure Suctioned white froth sputum with pulse oximetry

Received IV enoxaparin 1 mg/kg while in CT

 Physicians discussed with family the risks Bilateral lower extremities negative for deep venous

<u>Discharged</u> – Hospital day #6 on rivaroxaban

### DISCUSSION

• Rare sign of pulmonary infarct Radiologic sign which consists of a shallow wedgeshaped opacity in the periphery of the lung, most frequently seen laterally • This along with the Westermark sign helps aid • The Westermark sign is an area of focal oligemia and Is present in only 2% of PE Severe flattening on interventricular septum • Due to PE causing pulmonary hypertension