

## HISTORY

-HTN diagnosed in her 20's, no regular follow up -presented with uncontrolled HTN and headaches -lean, non diabetic -no NSAIDs, no herbals

#### **REVIEW OF SYSTEM:**

- Intermittent generalized headaches
- No syncope nor diaphoresis
- No tinnitus, No visual loss
- No neck pain
- No chest pains nor palpitations
- No SOB

- No abdominal pain
- No flank pain nor hematuria
- + intermittent pain on legs



#### SOCIAL:

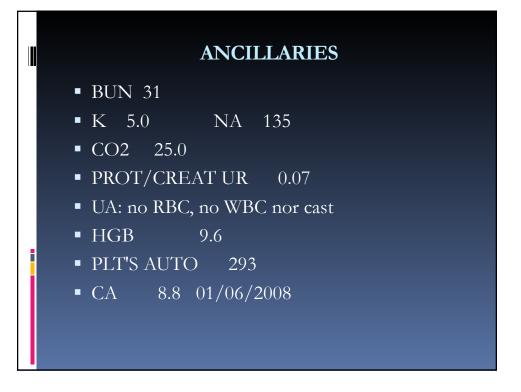
- Non smoker
- Non drinker
- No illicit drug use

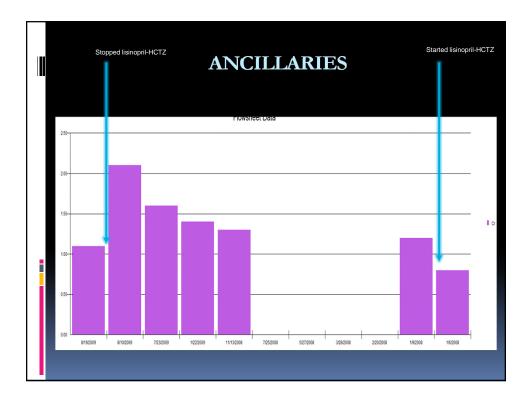
#### **MEDICATIONS:**

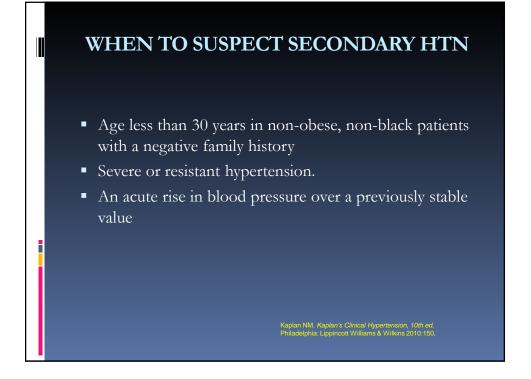
Ferrous sulfate Lisinopril-HCTZ 20-12.5 mg bid

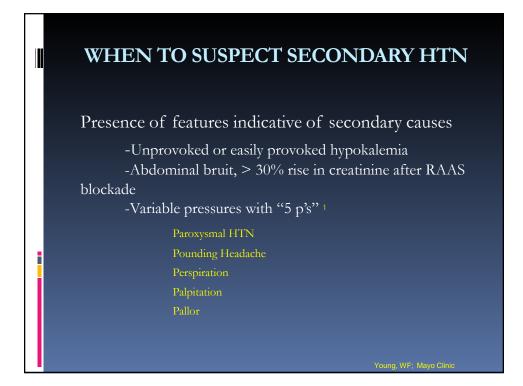
#### **PHYSICAL EXAM:**

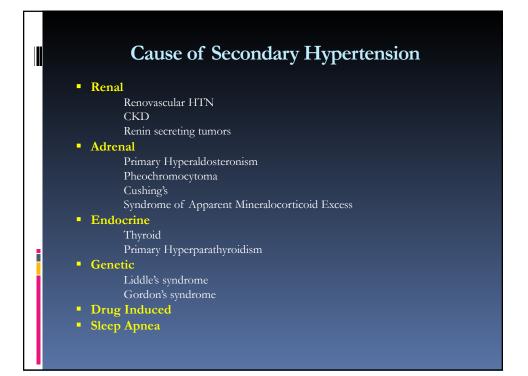
- BP: 129/67 mm HG (similar in both arms) 65/min
- BMI: 21, normal stature
- GEN Alert and Oriented, in No Acute Distress
- HEENT- pink palpebral conjunctivae, no papilledema
- no carotid bruit
- CVP: 7cm
- CHEST Clear to Auscultation Bilaterally, No Wheezing, Rales or Rhonchi
- CV Regular Rate and Rhythm, Without Murmur
- ABD Soft, non tender, no abdominal bruit
- EXT -no edema

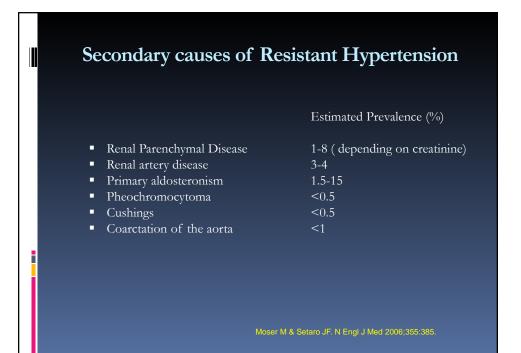










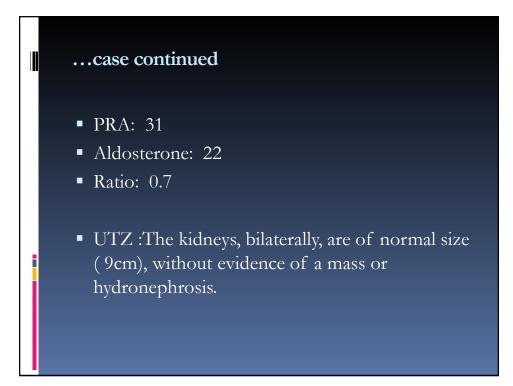


## ARS #1

What would you next?

- A. Dupplex renal ultrasound
- B. Plasma renin activity and aldosterone level
- C. CTA

- D. Renal angiogram
- E. MRA

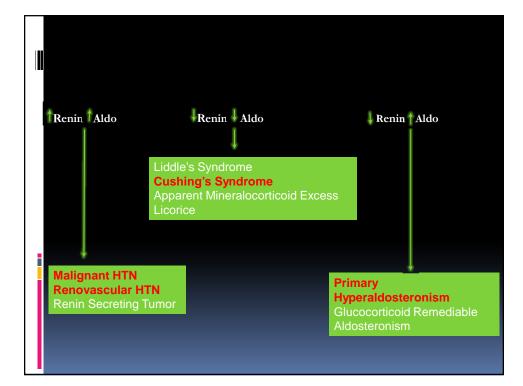




# Which of the following is the most likely diagnosis?

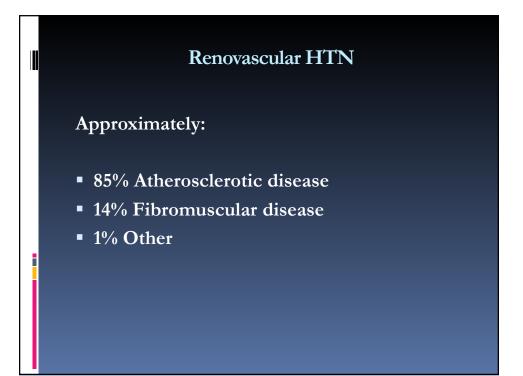
A. Essential HTN

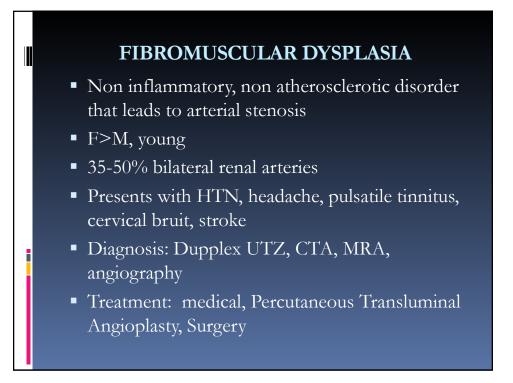
- B. Primary aldosterone excess
- C. Bilateral Renovascular HTN (Fibromuscular
- Muscular Dysplasia)
- D. Renin secreting tumor

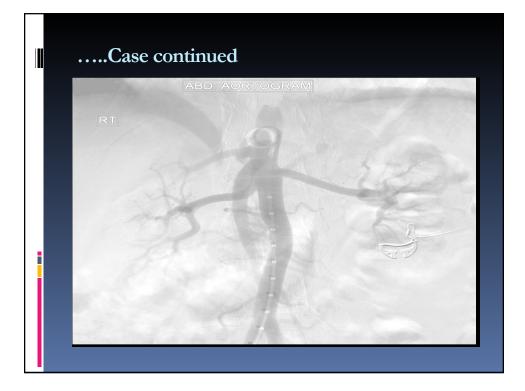


### **RENOVACULAR HTN**

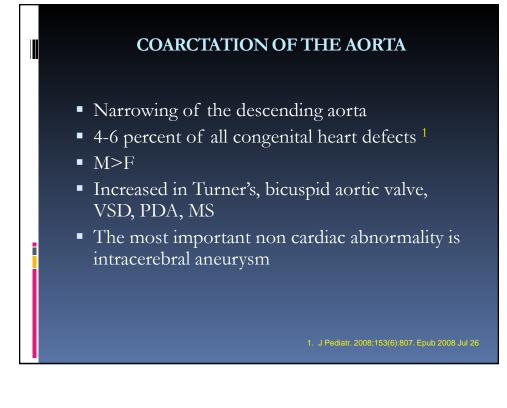
- An acute elevation in serum creatinine of at least 30 percent after administration of ACE inhibitor or angiotensin II receptor blocker
- severe hypertension in a patient with diffuse atherosclerosis, a unilateral small kidney, or asymmetry in renal size of more than 1.5 cm
- recurrent episodes of flash pulmonary edema with deteriorating renal function
- abdominal bruit

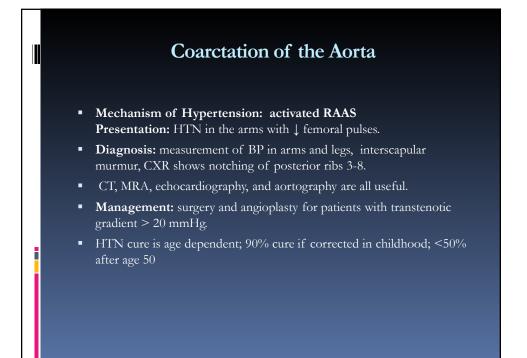


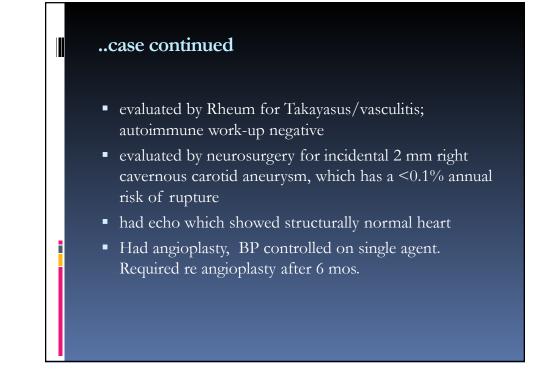












## PEARLS

- Always, always, always-do complete history and physical
- check renal function about a week of instituting ACEi or ARB therapy