



2018
VASCULAR
ANNUAL MEETING™

Vascular Surgery 101

Misty Humphries, MD, MAS, FACS

Division of Vascular Surgery

UC Davis Medical Center

Sacramento, California

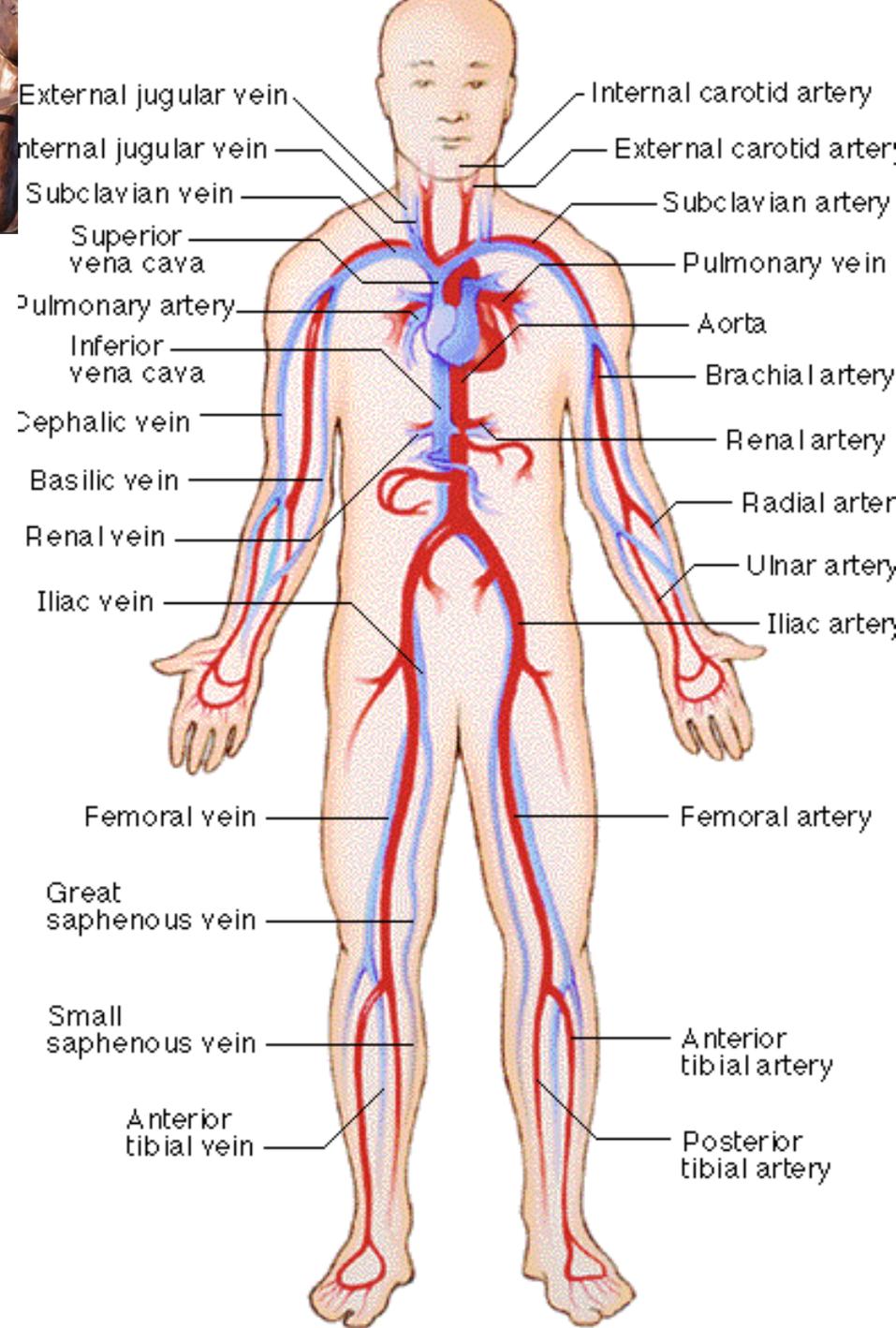


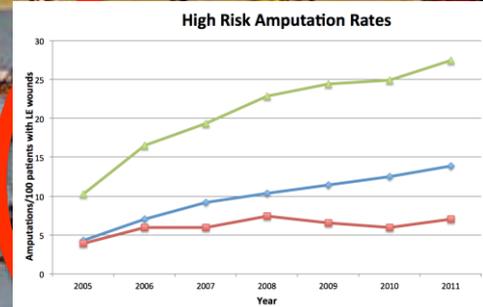
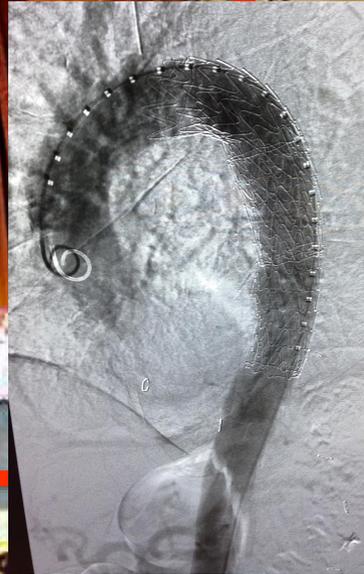
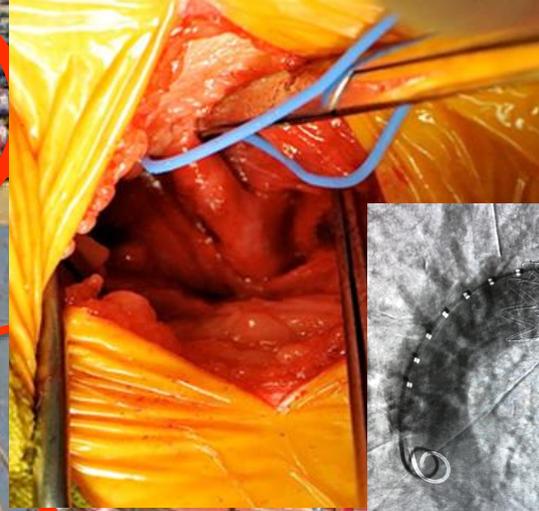
What is Vascular Surgery?

Surgery on Arteries and Veins of the Body

***Science Used: Physics,
Anatomy, Physiology,
Biology, Chemistry,***

Mathematics



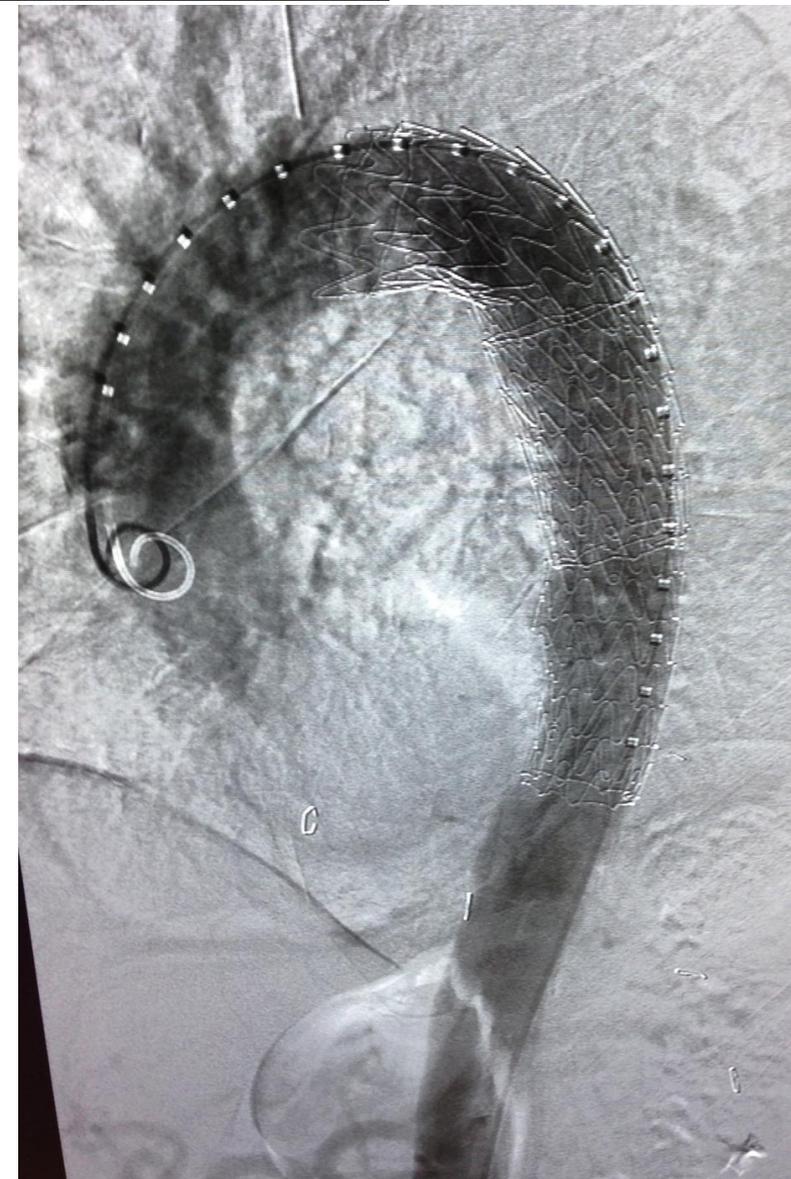




- **What Does a Vascular Surgeon Do?**
 - **Takes care of the entire patient**
 - Diagnose patients
 - Treat the condition
 - Follow patients for the rest of their life

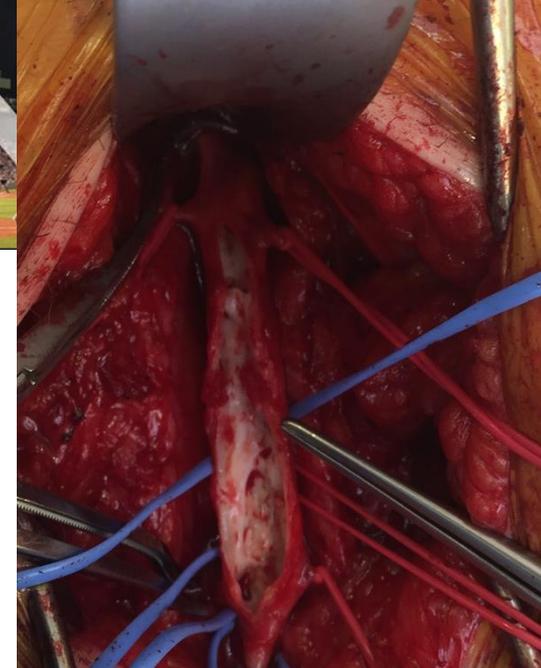


- **Clinical Disease**
 - **Aortic Pathology**
 - Aneurysm
 - Dissection
 - **Peripheral Artery Disease**
 - Critical Limb Ischemia
 - **Dialysis Access**
 - Maintaining Access
 - **Venous Disease**



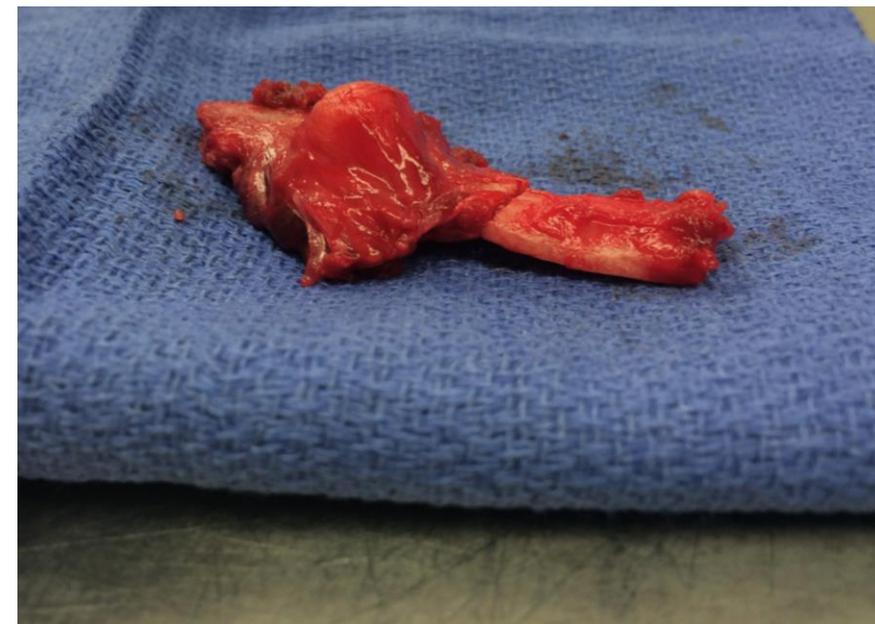


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- **Basic Science**
 - **Molecular pathway for aneurysm degeneration**
- **Clinical Research**
 - **Outcomes of interventions for PAD**
- **Device Development**
 - **New treatments for vascular conditions**



- **Education**

- **Resident and Fellow Education**

- **Ideal Curriculum Structure**

- **Simulation Curriculum**

- **Vascular Laboratory**

- **Transition to Practice**





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- **Education**
 - **Resident and Fellow Education**
 - Ideal Curriculum Structure
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25th Annual Math-Science/STEM Conference: UC Davis Vascular Center surgeon Dr. Misty Humphries and Gray Avenue Middle School eight grader Jasleen Sanghera perform a mock surgery on an artery during the 25th annual Math-Science/STEM Conference organized by the American Association of University Women Thursday, Jan. 14, 2016 at Yuba College. - Kirk Barron/Appeal-Democrat

- **Mentoring**

- **High School**
- **Premedical Societies**
- **Medical Students**
- **Other Faculty**
- **Other Countries**





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Global Health





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Surgery



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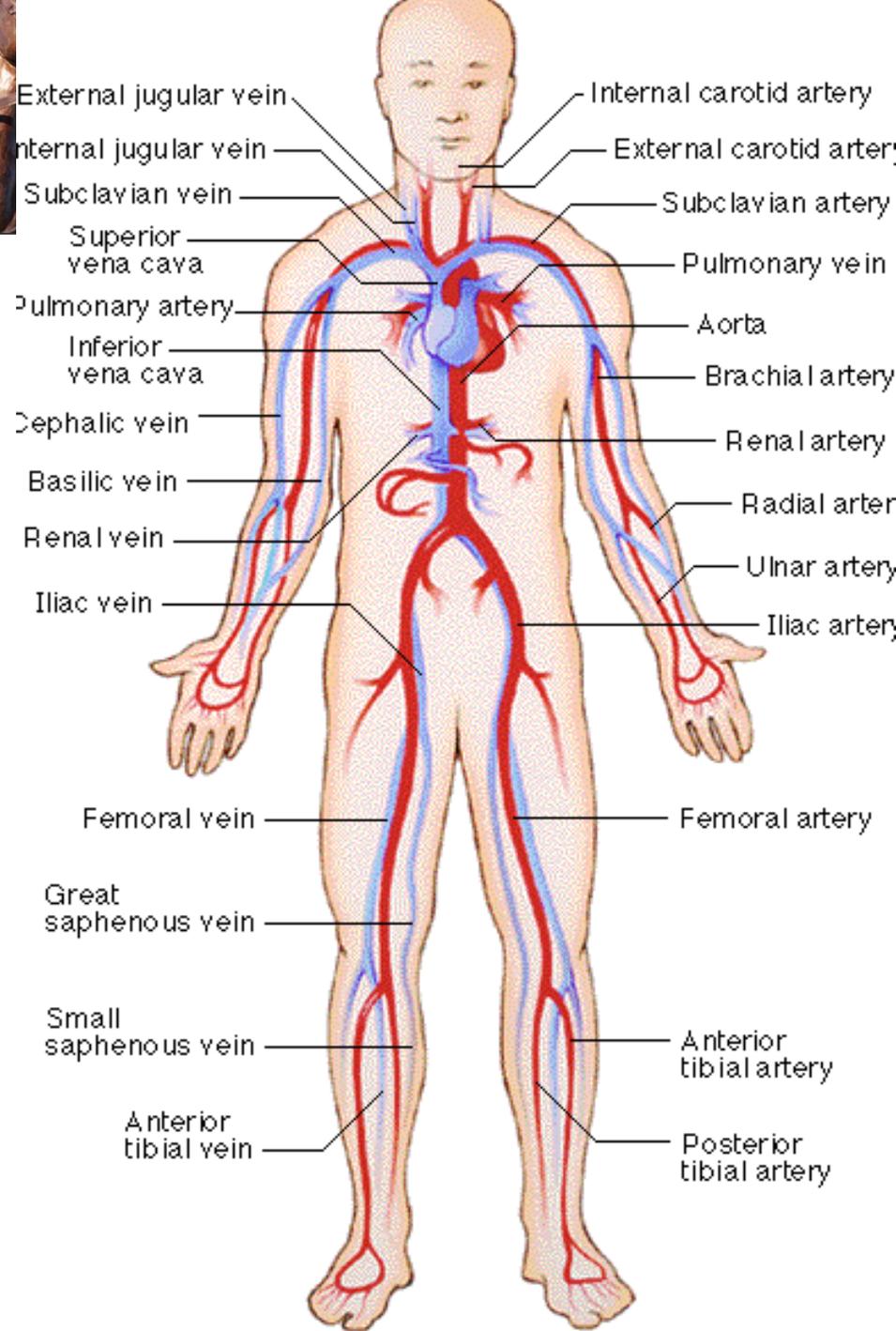


Vascular Surgery is a Very Small Field



What is Vascular Surgery?

Surgery on Arteries and Veins of the Body





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Surgery



Thank You



UCDAVIS

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SVS Society for Vascular Surgery