



OhioHealth

# VASCULAR SURGERY 2019

## PRINCIPLES AND PRACTICE

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Heart, Lung and Vascular Surgery

# VASCULAR SURGERY

## Scope

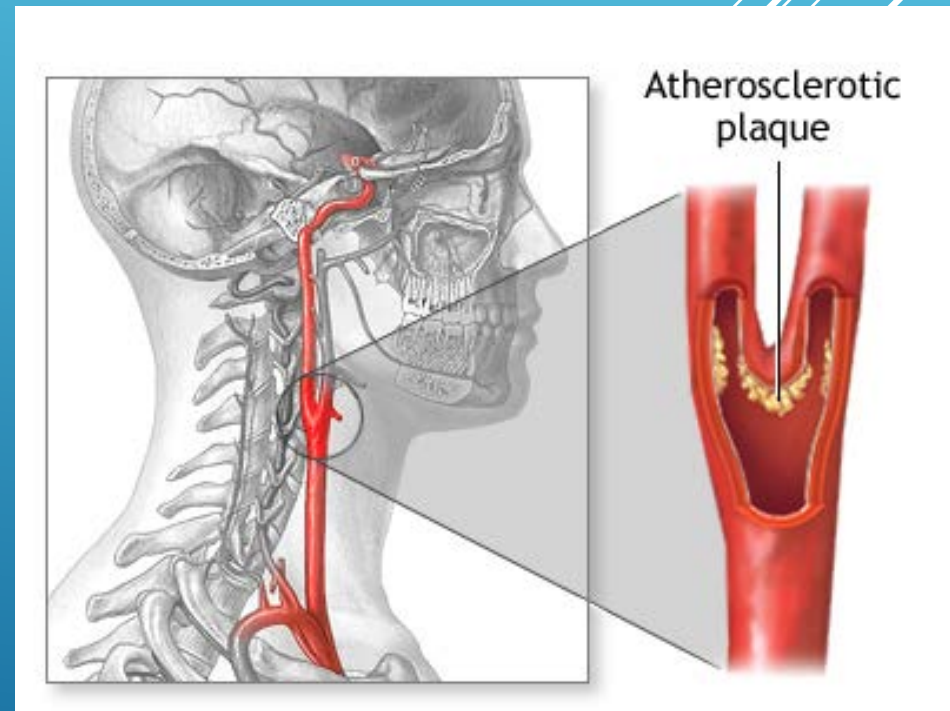
- Atherosclerotic occlusive disease
- Aneurysmal Disease
- Hemodialysis Access
- Venous stasis disease



# CAROTID DISEASE

Indications for surgical intervention:

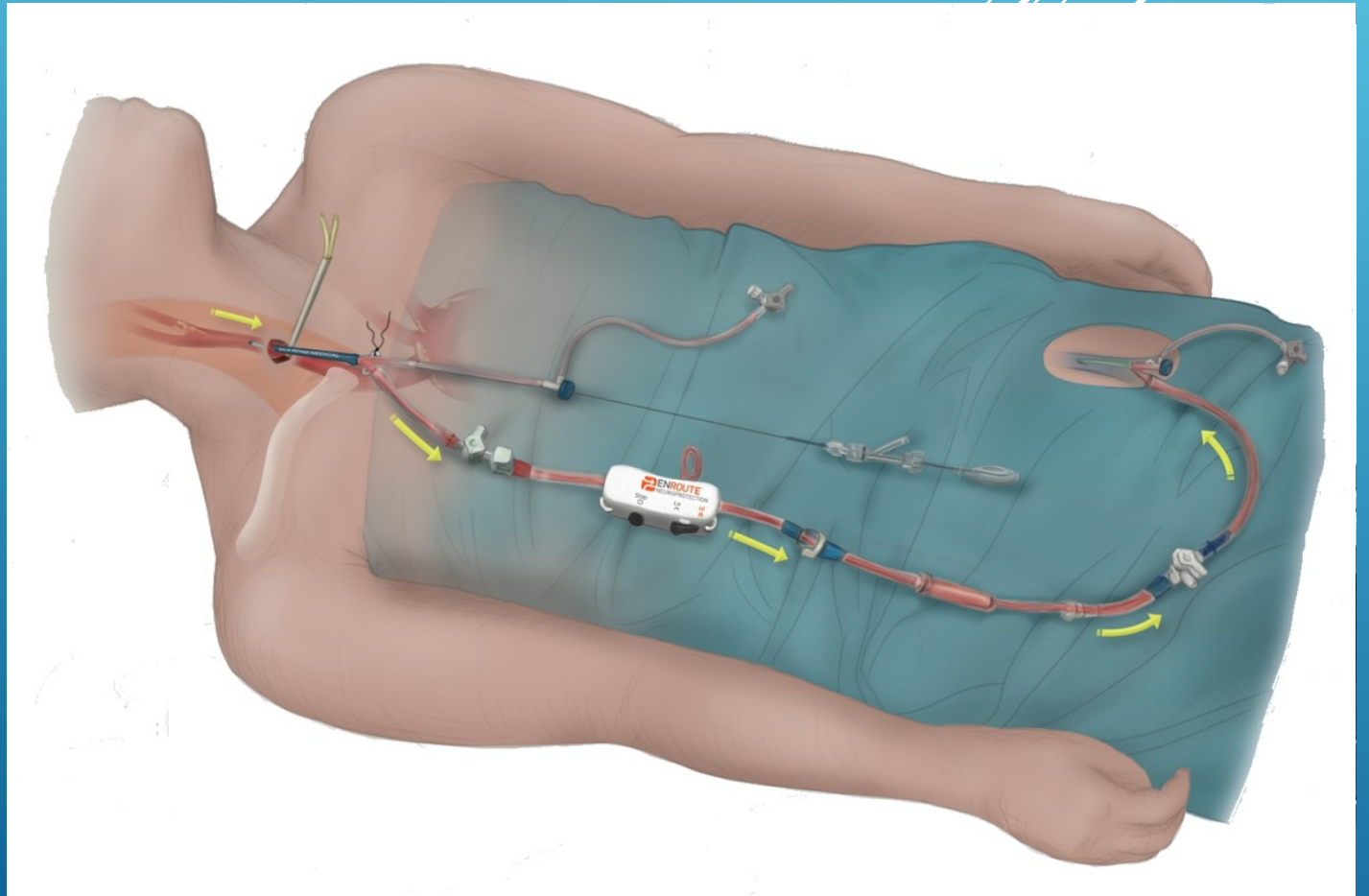
- Asymptomatic stenosis  $\geq 70\%$
- Symptomatic (CVA or TIA with stenosis  $\geq 50\%$ )



# CAROTID DISEASE

## *Interventional Modalities*

- Carotid endarterectomy
- Carotid stenting (CREST 2)
- TCAR



# PERIPHERAL OCCLUSIVE DISEASE

Disabling claudication

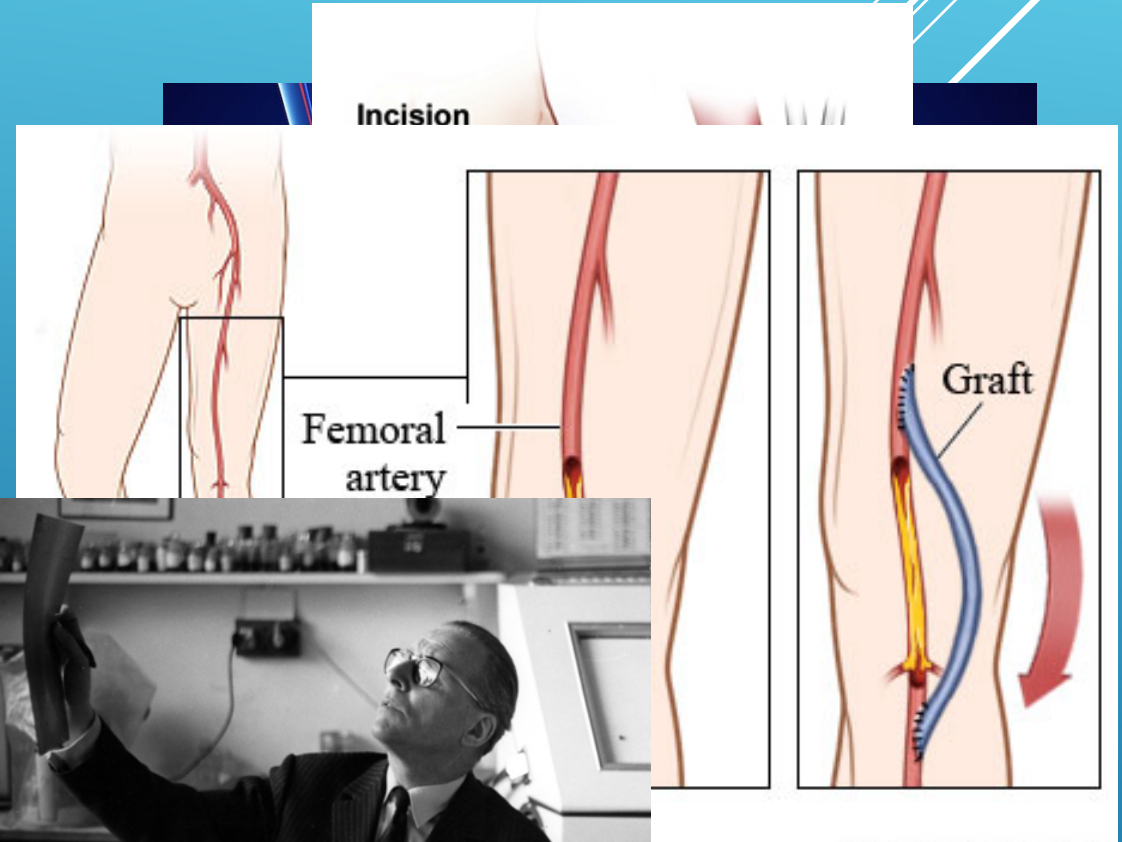
Limb-threatening ischemia



# PERIPHERAL OCCLUSIVE DISEASE

## Open Reconstructions:

- Thromboendarterectomy
- Arterial Bypass





# PERIPHERAL OCCLUSIVE DISEASE

## Endovascular Methods:

- Balloon Angioplasty/Stent
- Transluminal Atherectomy

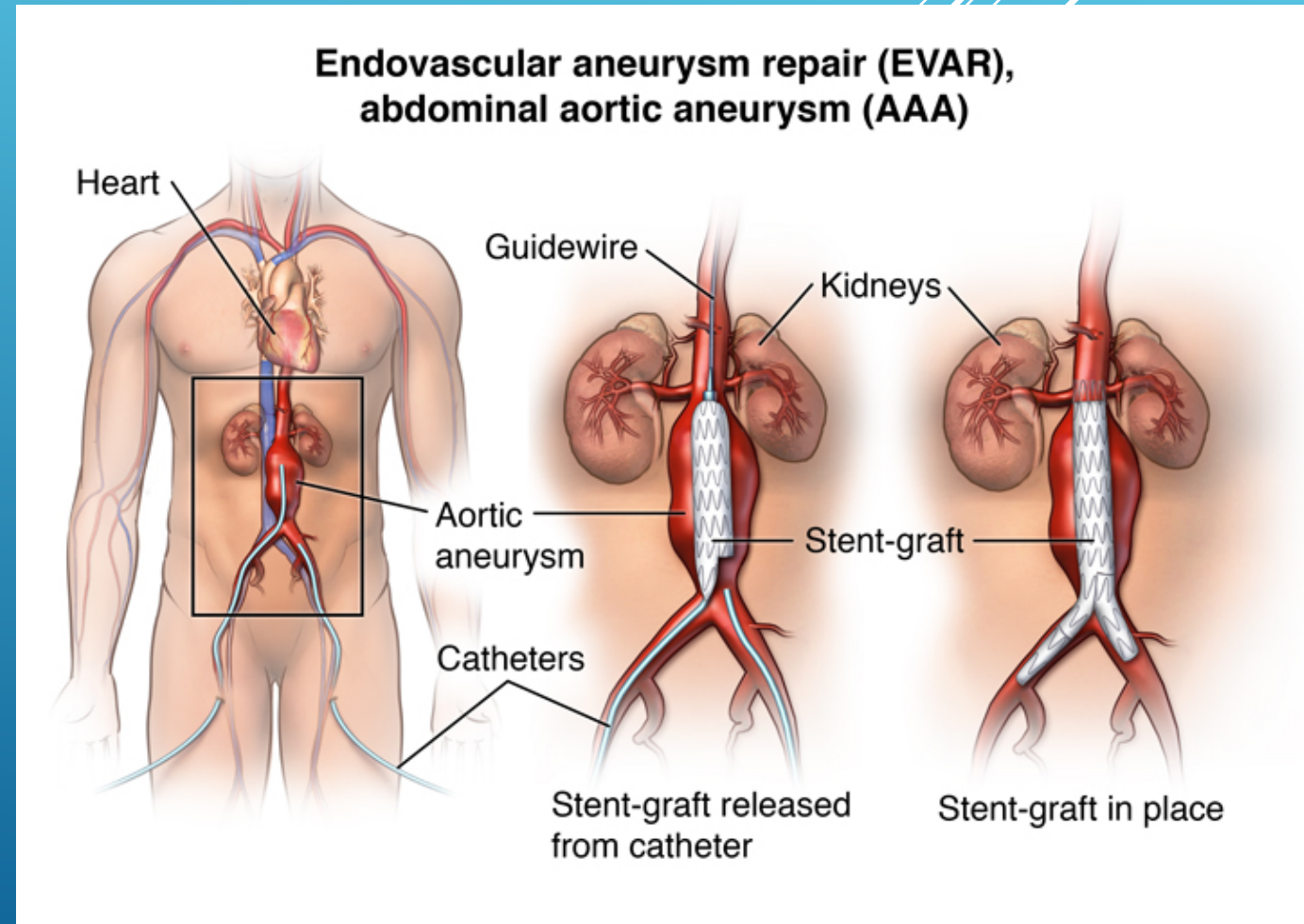




# ANEURYSMAL DISEASE

## Aortic Aneurysms

- Open reconstruction
- EVAR (Endovascular Aneurysm Repair)

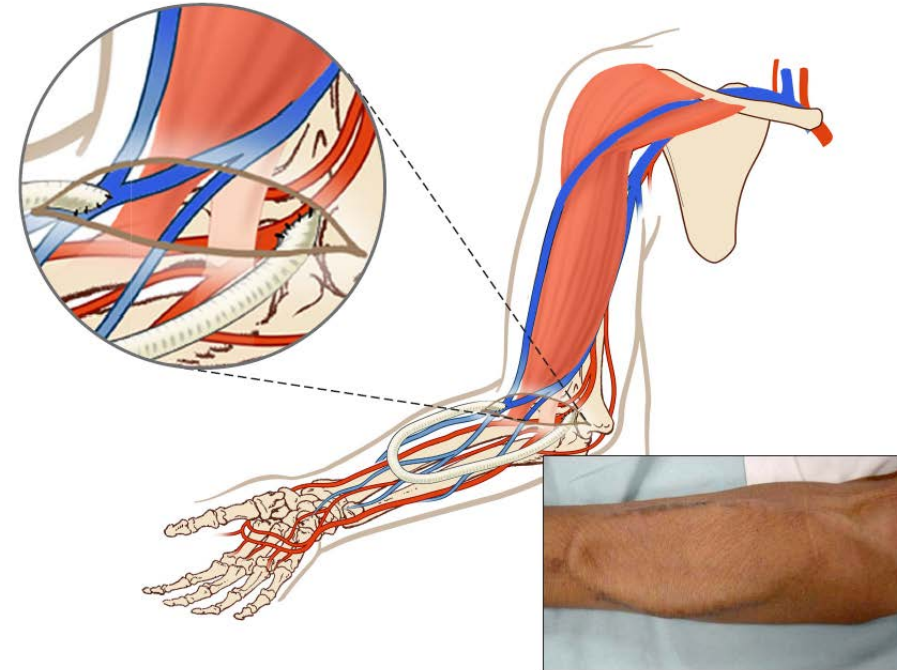


# HEMODIALYSIS ACCESS

Arteriovenous fistulas and grafts

*Priority: all autogenous tissue*

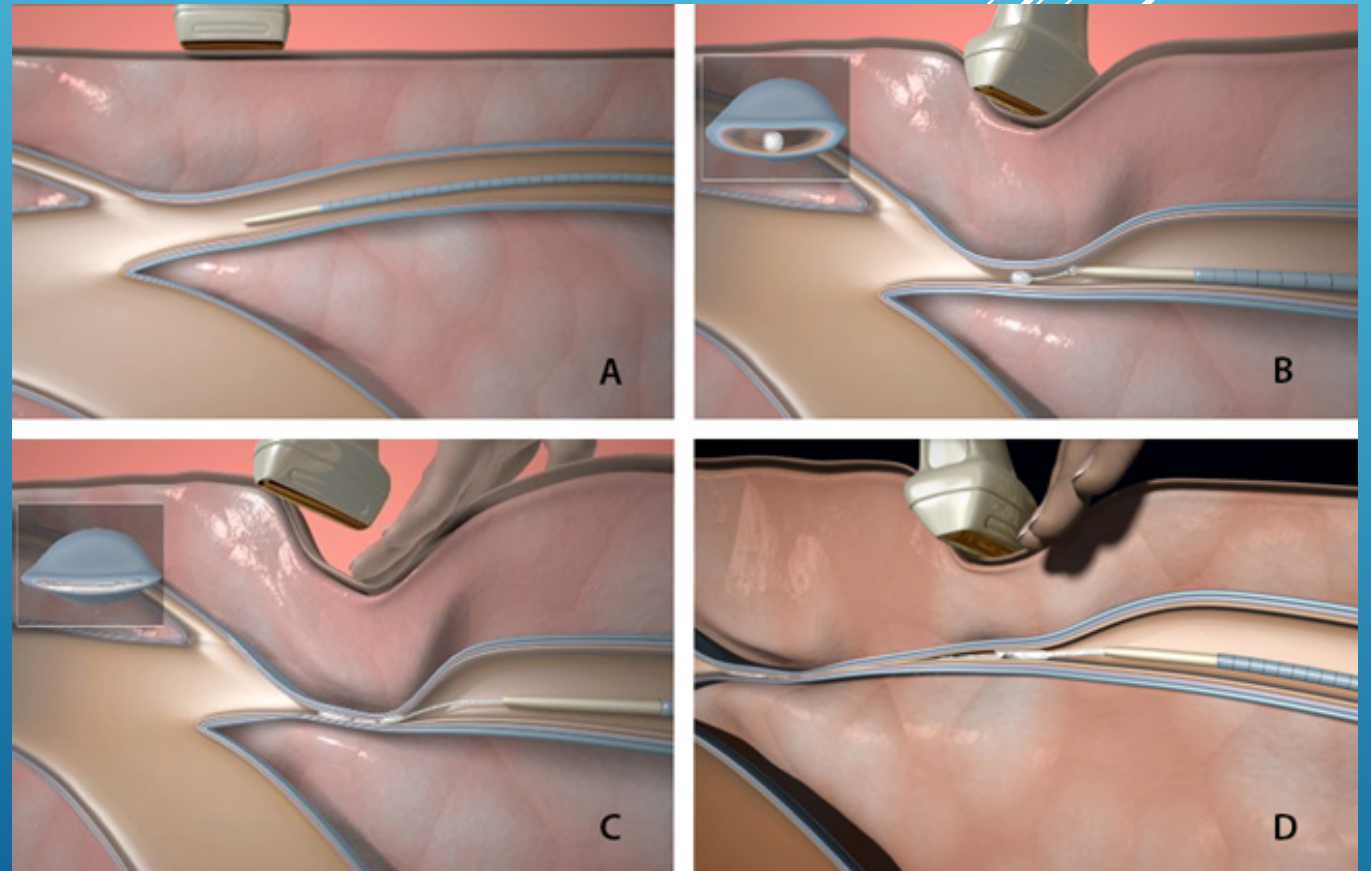
Forearm Loop Arteriovenous Graft



# VENOUS STASIS DISEASE

## Varicose Veins

- Vein Ligation
- Endovenous Ablation







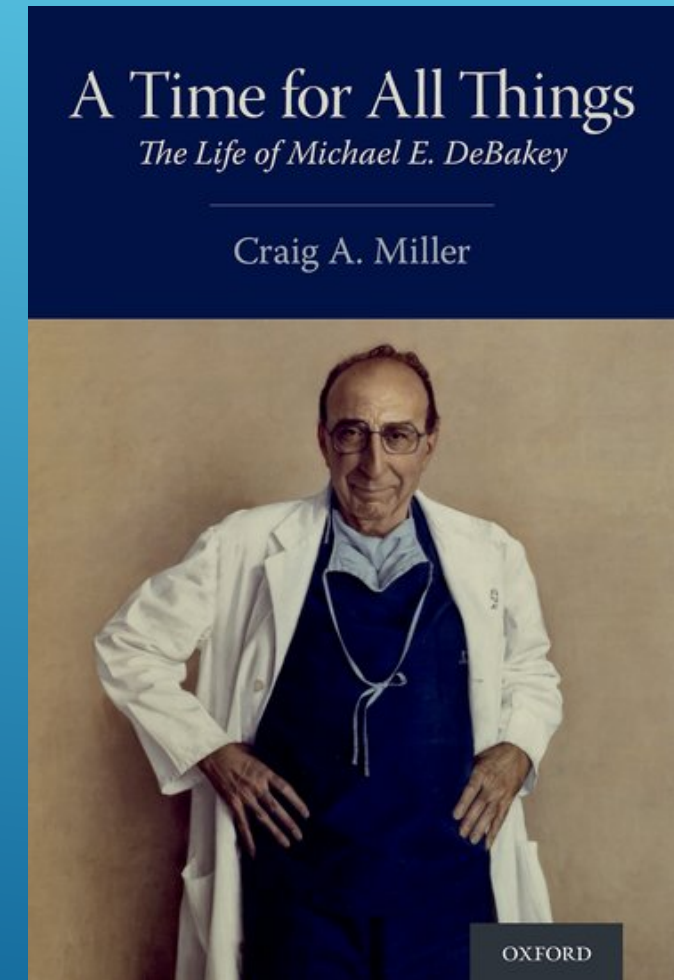
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