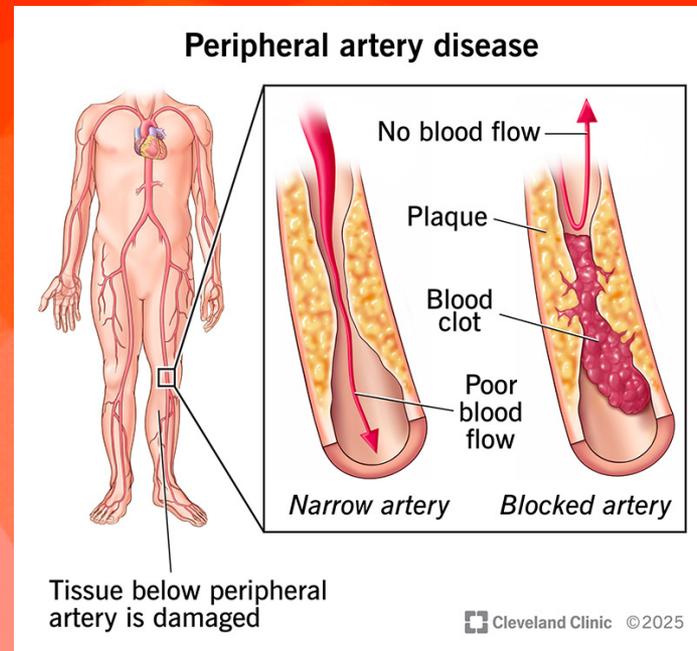


# Disorders of the arterial system

Jose Delgado

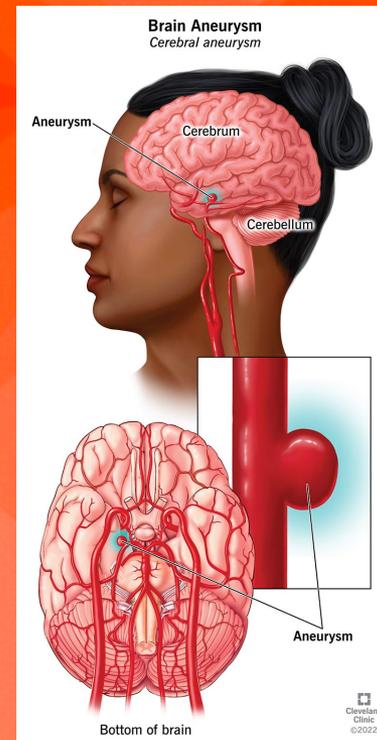
# Peripheral Arterial Disease (PAD)

- Claudication, rest pain, tissue loss.
- ABI <0.9 diagnostic.
- Stop smoking, antiplatelets, exercise.
- Revascularization: angioplasty or bypass.



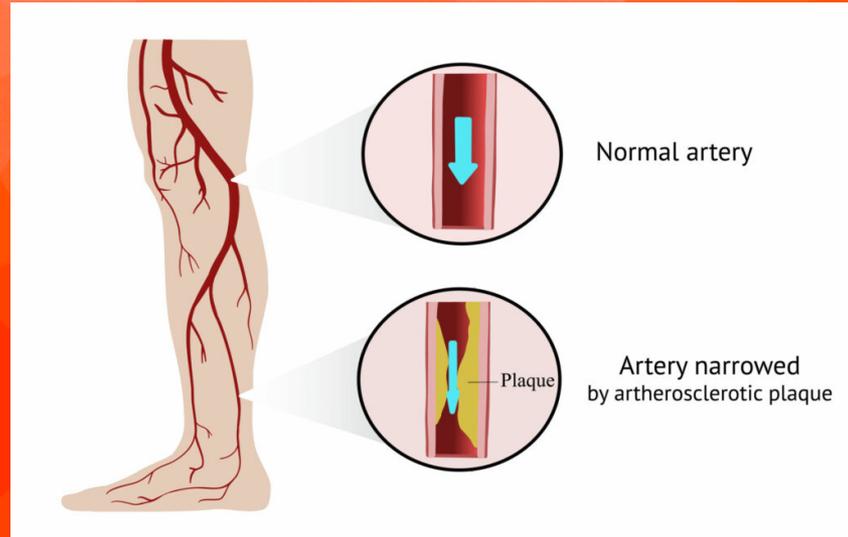
# Aneurysms

- Permanent arterial dilation  $>50\%$  normal.
- AAA: pulsatile mass, rupture  $>5.5$  cm.
- Treatment: open repair or EVAR (endovascular repair).



# Acute Arterial Occlusion

- 6 P's:
  - pain
  - pallor
  - pulselessness
  - paresthesia
  - Paralysis
  - poikilothermia.
- Immediate heparin.
- Surgery: embolectomy, thrombectomy, or bypass.



# Surgical Principles & Complications

- Bypass: autologous vein > prosthetic graft.
- Endarterectomy for localized lesions.
- Complications: graft thrombosis, infection, distal embolization.

