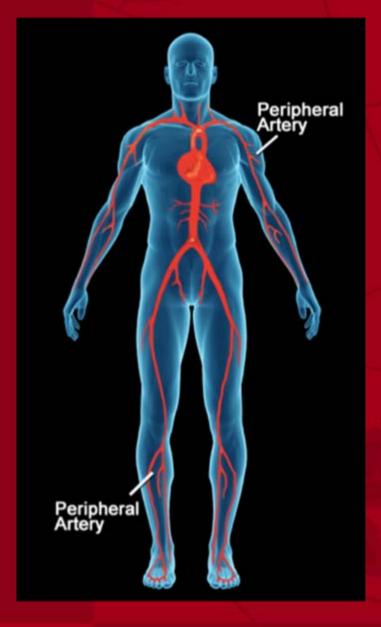
Peripheral **Endovascular Therapy**

Subintimal balloon angioplasty and stenting

Dr. Prasad Jetty Vascular and Endovascular Surgeon The Ottawa Hospital



Université d'Ottawa | University of Ottawa

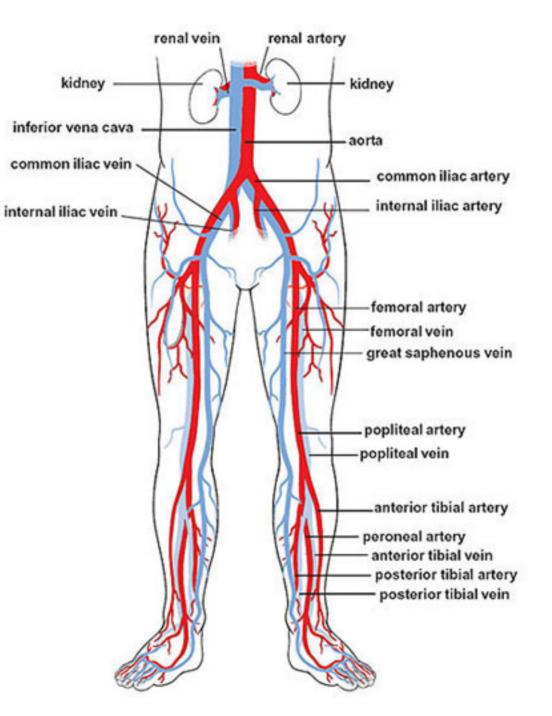


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SLUM DOG Millionaire



Α Ν Α Т Ο Μ Υ



Peripheral Vascular Disease

- blockages in arteries to lower extremities due to atherosclerosis
- Risk factors
 - smoking
 - DM
 - HTN
 - hyperlipidemia
 - family history
 - obesity
 - sedentary
 - male gender





Manifestations of PVD



CLAUDICATION



Intermittent Claudication

- Inadequate supply of oxygenated blood with exertion
- Pain/ache/fatigue in the calf, thigh, or buttock muscles from exertion
- Patient usually has to stop walking for a few minutes
- From latin term "claudicatio" meaning to limp- first described in horses

Conservative management

CRITICAL LIMB ISCHEMIA



Critical Limb Ischemia

- Inadequate tissue perfusion of oxygenated blood at rest
- Night pain
- Rest pain
- Rubor
- Tissue loss
 - Ulcers
 - Gangrene





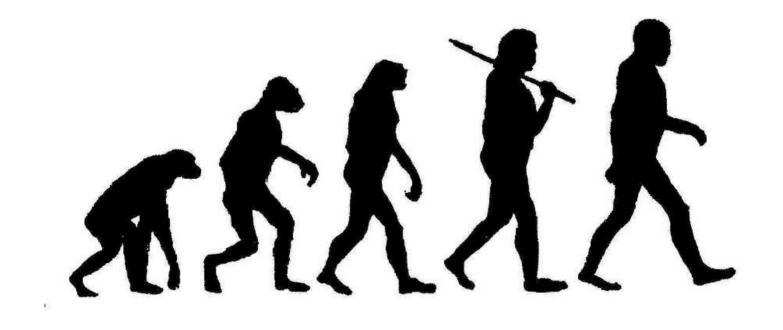




Treatment

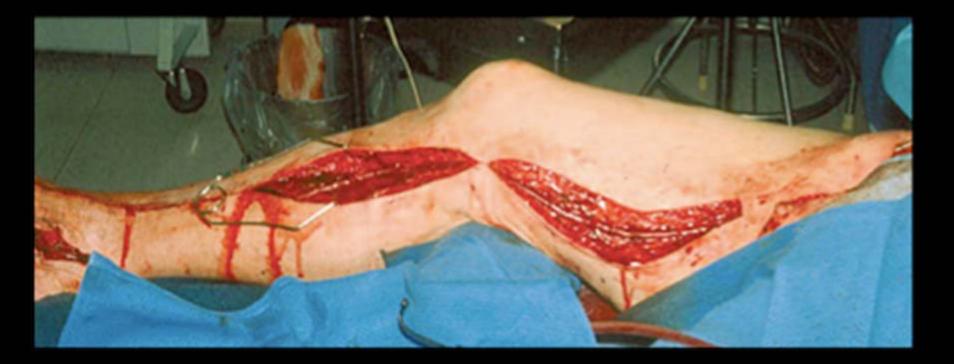


Evolution of Vascular Surgery





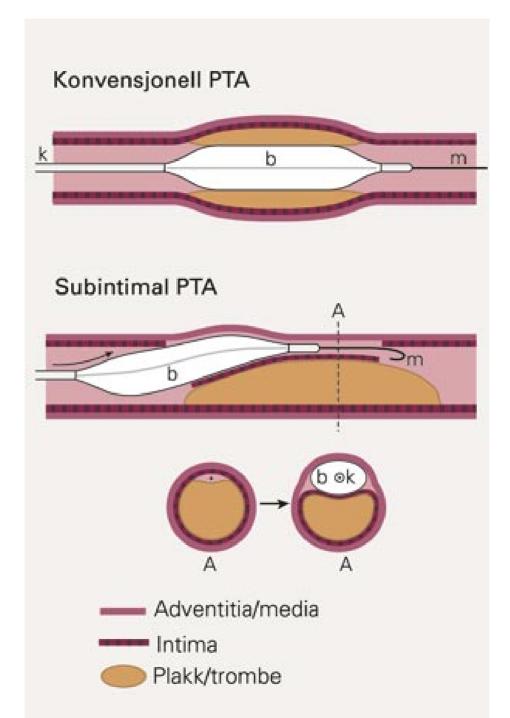


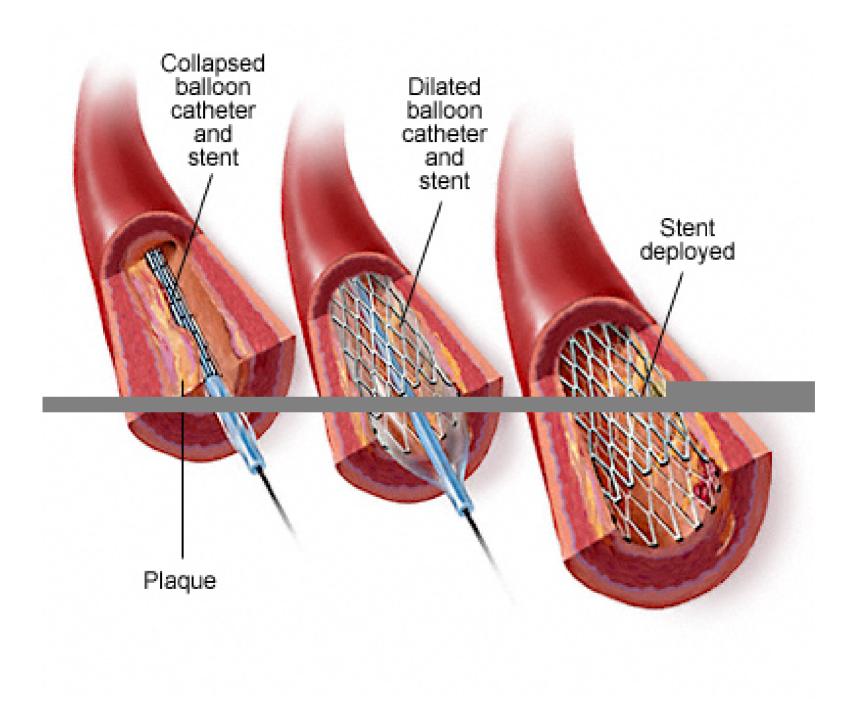




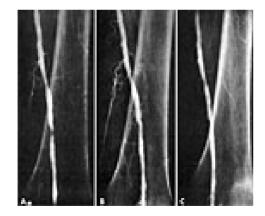








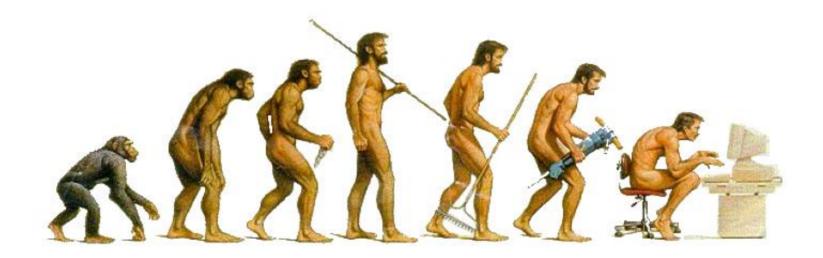








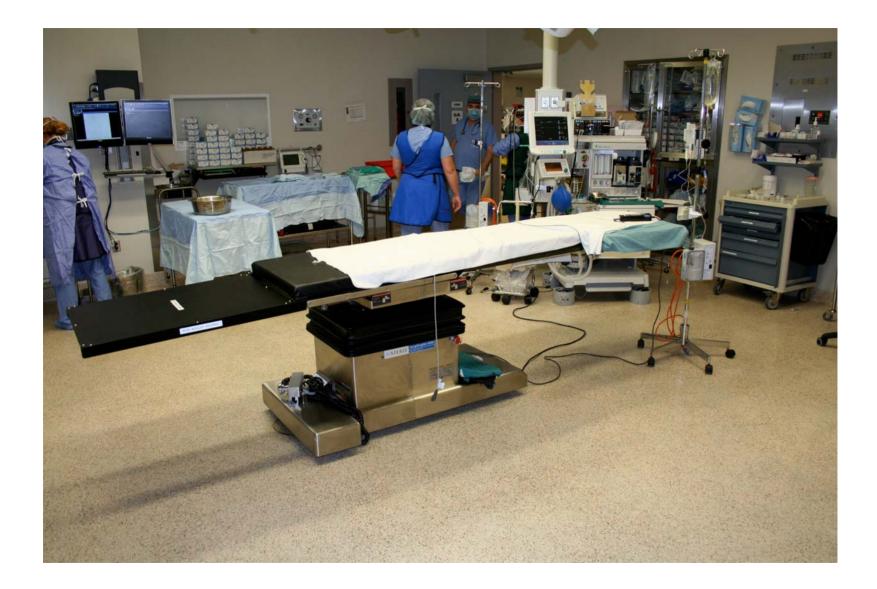
Evolution



(or is it?)











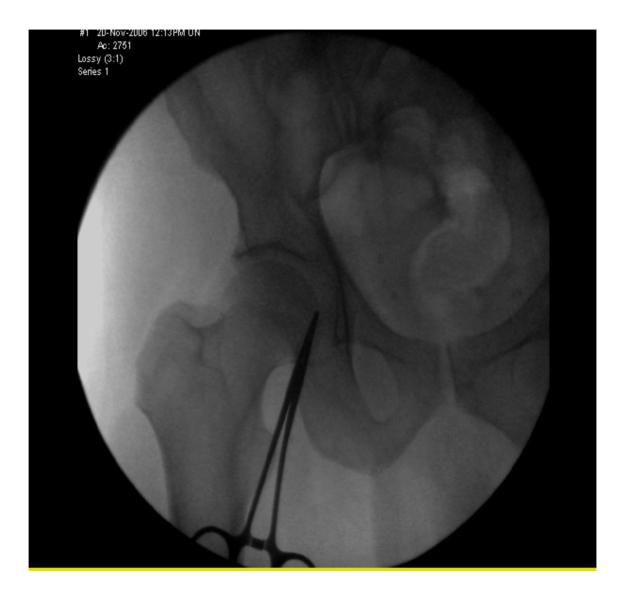
































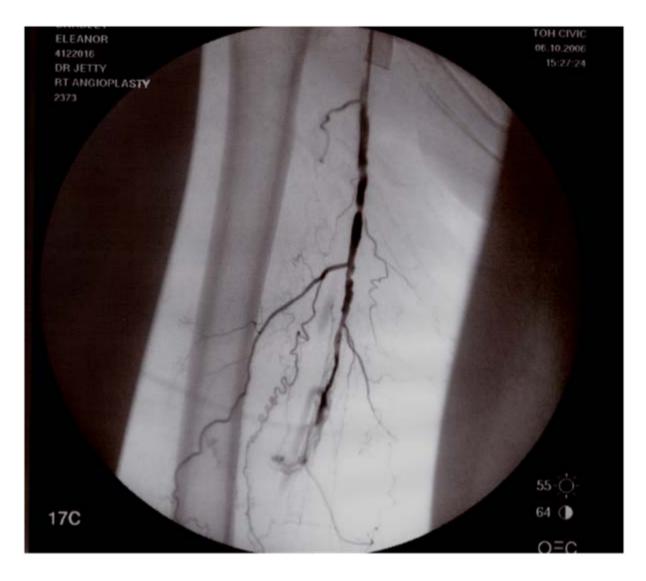


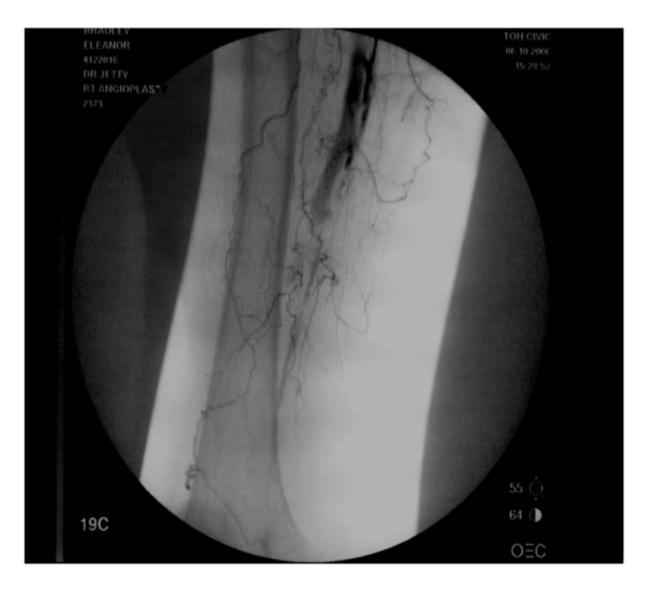


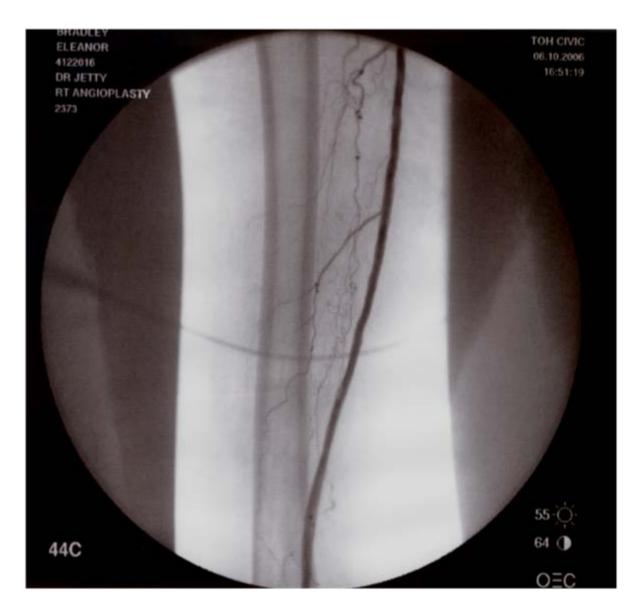














Durability and morbidity

- Endovascular therapy
 - Less durable (70% at 1-2 years)
 - Can be repeated
 - Minimally invasive
 - Outpatient procedure
 - Surgical bypass is always an option
- Open surgical bypass
 - More durable (70% at 4-5 years)
 - More difficult to repeat
 - Invasive and morbid
 - Inpatient procedure





Endovascular suites



