Surgical Approach to CLI

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Disclosure

Speaker name:

............Ho Pei Jackie....................................................

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

- I do not have any potential conflict of interest
Surgical approach to CLI

➢ CLI patients usually multiple medical co-morbidities, multi-level or BTK disease

➢ Surgical arterial bypass for revascularization

➢ Hybrid procedure for revascularization

➢ Removal of non-viable or infective tissue

➢ Wound healing and restoration of functional foot
61/M, DM, smoker, Rt big toe infected gangrene. BTK disease

Right big toe amputation, poor wound healing. MRSA infection. Repeat duplex showed re-occlusion of PT
Popliteal artery to both PT and DP bypass with a Y graft

Further debridement of wound
Combining Surgical bypass & Endovascular intervention

83 yr old lady chronic smoker with left ilio-femoral-BTK occlusion

Axillo-femoral bypass
Peroneal artery as single run-off
SAFARI, subintimal re-entry DCB

Foot remain well till her demise 4 years later
Role of surgical arterial bypass in CLI?

- Life expectancy, cardiac condition, other serious medical conditions
- Lesion characteristics, any hostile feature
- Availability of good superficial vein conduit
- When to consider bypass first?
- When to switch to bypass
Removal of non-viable tissue & restore functional foot while the perfusion status is good
Removal of infective non-viable tissue & restore functional foot
Perfusion oriented surgical management of tissue loss

Interrupted communicating branch flow from Dorsalis pedis artery

C Attinger, Oper Tech Plast Reconstr Surg 1997;4:183;
Decision of amputation
Surgical treatment in CLI

• An essential armamentarium in the treatment of CLI
• Hand in hand with Endovascular Therapy, not mutually exclusive
• Perfusion oriented management of tissue loss is important to preserve functional foot
• Multi-disciplinary team gathering all necessary expertise is the way to success

Thank you
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