Current treatment options for limb-threatening hand ischemia: how good are their results.

Vincenzo Foppa, 1462

"The miracle of the salvaged foot"

Cappella Portinari, S. Eustorgio Church

Milan, Italy

Disclosure

In the last 2 years I have the following potential conflicts of interest to report:


Virtual shareholder: Limflow

Roberto Ferraresi, MD


<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESRD-HD</td>
<td>142 (76%)</td>
</tr>
<tr>
<td>Other</td>
<td>44 (24%)</td>
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</tbody>
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Buerger 6

TOS 2

Radial access complication 2

Inflammatory diseases 32

Embolization 2

In the vast majority of HD pts CHI is due to many concomitant causes

1. Angioplasty
2. Bypass
3. Thoracic sympathectomy
4. Renal transplant
50 yr old male, T1DM, ESRD-HD
2 AVF for HD (dist + prox) not functioning
Fingers gangrene

Occluded proximal termino-lateral radio-cephalic AVF

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Distal latero-terminal, still open but non-functioning AVF

Distal latero-terminal, still open but non-functioning AVF

Occluded ulnar artery

Embolization with coils of the distal AVF
1. Angioplasty
2. Bypass
3. Thoracic sympathectomy
4. Renal transplant

- 79 yy, male
- T2DM, ESRD-HD
- Pain at rest & fingers amputation

Termino-terminal radio-cephalic AVF
1. Angioplasty
2. Bypass
3. Thoracic sympathectomy
4. Renal transplant

- 47 yy, female
- Multiple myeloma with amyloidosis

- 3 months later...
PTA

1. Angioplasty
2. Bypass
3. Thoracic sympathectomy
4. Renal transplant

- 2009 → 36 yy old female
- T1DM
- ESRD-HD

- Fingers amputation, Chopart & BTK amputations
- Despite this dramatic clinical stage she got a double kidney + pancreas transplant on 2010

6 yy after endoscopic thoracic sympathectomy → no pain, no lesion, functioning hands, stable
- 2018 → 45 y old
- Summer walking in the mountain → “new leg prostheses are formidable”
- Driving car
- Totally independ, active life

Patients with CHI have different pathophysiology and different underlying diseases
Don’t give up and try to find for everyone the proper solution