Differences In Decision Making For The Treatment Of IC In Europe And The US: Based On Data From The PORTRAIT Registry

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Disclosures
- "The statements in this presentation are solely the responsibility of the authors and do not necessarily represent the views of the Patient-Centered Outcomes Research Institute (PCORI), its Board of Governors or Methodology Committee."
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Clinical Trial Registration: https://clinicaltrials.gov/ct2/show/NCT01419080?term=portrait&rank=1

Design PORTRAIT Registry

- 1275 patients with prospective health status data
- Focus on Health Status Outcomes
- Quality of Care Processes

PORTRAIT Claudication Registry:

- Patient-centered Outcomes Related to Treatment practices in peripheral Arterial disease: Investigating Trajectories

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- Research agreement/funding Gore and Philips
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Patterns in PORTRAIT

- Care per site
- Imaging patterns
- Invasive treatment

**Antiplatelets**

**Statins**

**Smoking Cessation**

**Supervised Exercise**

**Perfect Medical Care**
Perfect Care

Imaging Patterns in PORTRAIT

Imaging Patterns

Association between Patient and Country Factors and Ordering Imaging Tests.

Imaging Patterns

Association between Patient and Country Factors and Ordering Invasive Imaging.

Invasive Therapy

• Collected on patient interviews @3Mo
• Endovascular = PTA w/wo stenting or atherectomy
• Surgical = bypass, endarterectomy, amputation

Invasive Therapy

• Hierarchical logistic regression model was developed with site as a random effect to identify predictors of invasive treatment
• Candidate predictors were selected based on clinical importance and random forest analysis (RFA), which assigns variables’ relative importance in predicting an outcome
Independent predictors for Invasive Therapy

- Lower ABI index
- Inflow and inflow + outflow disease
- Lower PAQ = disease specific QOL
- Direct anatomical visualization done
- Site variability: Median site-specific invasive rate was 21%, range 9-52% (p<0.01)

Independent predictors for Non-Invasive Therapy

- Longer symptom duration

Practice Patterns in PORTRAIT: Invasive Therapy

- About 1/5th of patients with new or exacerbation of PAD received invasive treatment within the first 3 Mo
- Considerable site variation
- Proximal lesions and higher PAD disease burden were preferentially invasively treated
Conclusions on Differences CI US vs OUS based on PORTRAIT data:

- More SET OUS
- More imaging OUS
- More invasive imaging US
- No difference in invasive treatment US vs OUS
- Significant site differences

Data Sharing and Proposals

Visit [http://cvoutcomes.org](http://cvoutcomes.org)

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