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**Multicentre post-market experience with the Indigo thrombectomy system for acute ALI**
To evaluate **safety** and **efficacy** of **vacuum-assisted aspiration thrombectomy** in patients suffering **acute lower limb ischemia (<14 days)**
Retrospective multicenter registry (N = 44) core-lab adjudicated
N = 400 patients
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**Clot engagement**

- Flexible
- Directionable
- Trackable

**Penumbra Indigo-System**

**vacuum pump & canister**
Vacuum-assisted Aspiration-Thrombectomy

- Extraction large clot in short time

*Penumbra Indigo*
Coaxial-technique

**CAT5, CAT6 into CAT 8**

**CAT3 into CAT5 & 6**
CAT3 in plantar arch
Thrombembolism
A. tibialis ant. + A. fibularis
A. tibialis ant.
A. fibularis
Penumbra Indigo CAT 8
& SEP 8
sagittal views SMA
mPAP 65 mmHg
Oxygenation 80%

mPAP 30 mmHg
Oxygenation 99%
Objectives

Primary outcome

- technical success
  restoration antegrade flow
  without lysis/alternative revascularization strategies

Secondary outcomes

- blood transfusion
- in-hospital re-intervention
- major adverse events
Results

N = 158 patients with 12 months follow-up

Primary technical success 100%
iliacs 8F/6F  SFA/PA 8F/6F  peroneal arteries 6/5/3F  plantar arch 3F

No relevant blood loss/
procedure associated complications (dissection/perforation)

Hospitalisation 2 days
Re-thrombembolisation (30 d) 4%
Re-occlusion (12 months) 0%
Conclusion

Preliminary results of Re-Open Registry

*Indigo-system* in acute lower limb ischemia:

- easy-to-use
- safe
- efficient
- no need for lysis, blood transfusion
Bella Huasen¹,², Alexander Massmann³, Abdul Rahman Alvi⁴, Stephen D'Souza¹, Theodosios Bisdas⁵

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