Aortic & Iliac Occlusions

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TIME IS BRAIN
MECHANICAL CLOT ENGAGEMENT
Proprietary Separator Technology

ASPIRATION POWER
Large Lumen Aspiration

DIRECTIONALITY
For Circumferential Aspiration

ADVANCED TRACKING TECHNOLOGY
Multiple Materials Transitions
Circumferential Aspiration

STR

TORQ

XTORQ

2.24 mm²

15 mm²

25.4 mm²

a. Data on file at Penumbra, Inc.
CAT8 XTORQ with SEP8
Simple & Effective

- Easy-to-use single operator design
- Penumbra MAX Pump delivers almost pure vacuum
- Allows for hands free aspiration
- No time limits
Aspiration Efficiency

More Aspiration

Aspiration Volume (mL in 20 sec)\(^a\)

\[\begin{array}{cccccc}
\text{AngioJet™} & \text{AngioJet ZelanteDVT™} & \text{CAT3} & \text{CAT5} & \text{CAT6} & \text{CAT8} \\
3 & 12^b & 14 & 56 & 90 & 160 \\
\end{array}\]

\(^a\) Data on file at Penumbra, Inc.

\(^b\) Data on file at Penumbra, Inc.
Post CAT8 Treatment
Post Treatment

Aortic Occlusion Post Indigo

Extracted Clot
Post Treatment 14 Months
Popliteal, Peroneal and Posterior Tibial Occlusion CAT8, CAT6 and CAT3
Treatment

CAT3 used coaxially with CAT6

Initial Acute Clot passing through the CAT8
Post CAT8 Treatment

Extracted Clot
Post CAT6 & CAT3, Viabahn
INDIGO SYSTEM
FOR THE PERIPHERY

• Provide endovascular option for clot management
  • Arterial – smaller vessels – no separator
  • Venous – Larger vessels – need separator to break up clot
  • Venous/Large arteries – Intraproc tPA (15-20mins) may help soften the clot

• Safe and simple procedure
  • Reduce risk of bleeding complications
  • Reduce the need for lytics

• Procedural cost savings can be shown
  • Reduce overnight ICU stay

• Visualize the clot

• All other options are still open, if needed
Indigo Advantages

- Superior trackability
- No lytics required
- Reestablish flow quickly
- 13 times more aspiration power than Angiojet
- No time limit
- Simple set-up

1 JCVS 2015;56:393-400, Yamada et al, *Advantages of Indigo mechanical thrombectomy for ALI: device and technique*
2 Data on File at Penumbra
INDIGO HAS HELPED EXPAND TREATMENT OPTIONS SIGNIFICANTLY