


11-18-2023



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## Newer Pharmaco-Mechanical Endovascular Clot Removal Systems: When And Why Is Each Device Best To Use: When is open surgery needed

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## No Disclosures



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## Need for speed

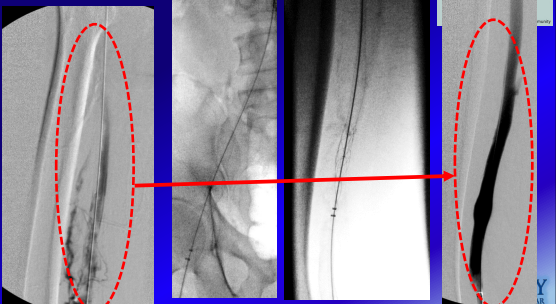
- CDT great for slow “melting” of acute clot with TPA (in the ICU)

Devices offer faster removal by:

- Aspiration
- Disruption of the clot
- PHYSICAL EXTRACTION
- Combos



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## New for Inari 2024 (coming soon!)

- Arterial extraction via Artix-
  - Slows inflow to reduce embolization
  - Secures thrombus in the Inari basket/sleeve
  - Softer basket, releases at the tip



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## Penumbra Continuous Aspiration Thrombectomy (CAT)

- Reinforced aspiration cannulas
- “Lightning” – intermittently stops suction
- Multiple diameters and lengths (dialysis 2023)



J Endovasc Ther. 2017 Aug;24(4):604-610.  
J VascSurg. 2014;59:729-736

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### Penumbra

- In arterial, not really a “single” use
  - ~50%-90% need adjuvant interventions
- Clogging requires removal of entire system
  - ? Embolization

Eur J Vasc Endovasc Surg. 2021 May;61(5):820-828  
J Vasc Surg. 2014;59:729-736

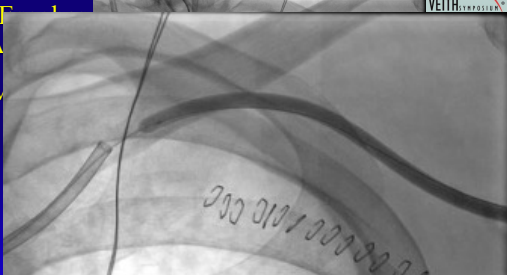
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## How to unclog it in vivo?

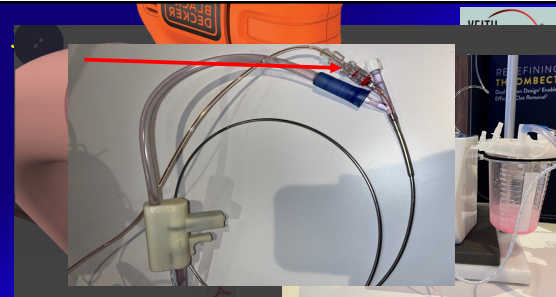
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A...  
M...



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Click on  
J Vasc Interv Radiol 2022 Feb;33(2):183-188.

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## NEW for 2024

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NEW  
KIDS  
BLOCK

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**Pounce- “Prowl” Registry data (unpub)**

- Early data on 60 patients
- 23 minutes procedural time
- 97% restoration of flow
- 82% STAND ALONE procedure
  - 90% restoration of pulsatile flow
  - <2% transfusion

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**Pounce Venous Thrombectomy 10 Fr**

**Chews Wisely**

- Complete
- 10Fr
- “Bas
- Add
- “che

crew” to

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**The Cleaner Vac – Venous aspiration (Arzon)**

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**Summary**

- Choose your
- Consider po
  - Risk/benef
  - lysis, shea
- “Old school
- New devices
- approaches
- Good to hav


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Thank you!

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Newer Pharmaco-Mechanical Endovascular  
Clot Removal Systems: When And Why Is  
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