Vacuum Thrombectomy

Scott Stevens
The University of Tennessee

No Disclosures

Scott Stevens
The University of Tennessee

Indigo Thrombectomy
Expand your reach
Preserve options
Improve patient outcomes
Conserve resources

Indigo Thrombectomy
Expand your reach
Preserve options
Improve patient outcomes
Conserve resources
Improve your day

Indigo - Arterial
New strategy for acute arterial ischemia
Halo Effect

STEMI
Code Stroke
Trauma Alert
Acute Aorta

Acute Arterial Ischemia

Acute Arterial Ischemia: New Strategy
Directly to endovascular suite
Call team
Indigo - Arterial

Faster time to reperfusion
Decreased M/M
Local
Percutaneous
Minimize lytics

Indigo - Arterial

Faster time to reperfusion
Decreased M/M
Local
Percutaneous
Minimize lytics

Indigo - Arterial

Run the option
Full arterial tree

Indigo - Arterial

Preserving options

Indigo - Arterial

Preserve lytic options

Indigo - Arterial

Preserve surgical options
Indigo – Learning Curve

Debris is corked for retrieval

Vacuum out
Indigo – Keys for Success

Long sheaths and large catheter
   Start w/o separator
Engage and cork for 90 seconds
   No flow is good

Indigo – Keys for Success

Indigo – keys for Success

Indigo – Separator

Large thrombus burden
   Sub-acute clot
Adherent debris
   Cat is clogged
Indigo – Separator
Strip out Cat - Pipe cleaner

Indigo – Separator
Peck and morcellate

New Technology
Catch 22

New Technology
Catch 22
Train your team

Indigo – “Spotter”
Fast
Slow
Corked
Indigo Catheters

Beware Cook Flexor sheaths
Protect Cat tips
Coaxial catheters
Slip-Cat technique:
Telescope over angio cath for tracking

Slip - Cat
Large bore – short
Small bore – long
Telescope

Large Sheaths and Catheters

Large Sheaths and Catheters
Large bore sheaths - pre-close technique
Preserve options – pre-close cinch technique

Indigo – Arterial

Pulse technique
“Jungle juice”
“Jungle Juice”

Contrast – half strength
TPA – 10 mg
Nitroglycerine 500mcg

Indigo Catheter

Avoid trouble
Get out of trouble

Claudication

Vasculopathy
DM
CABG
HTN
COPD

Distal SFA Occlusion

7 French Destination
Glide cath
Glide wire
Intraluminal traverse
7 French Destination
Glide cath
Glide wire
Intraluminal traverse

“Not a problem for me”
Filter – Too Small

Next Move?

Telescope - 5 French Sheath
Complications

Damage Control

Keep wire access
Re-dose – anticoagulation
Static flow columns: check sheath in SFA
“Jungle Juice”

Penumbra – Indigo

CAT 5

“Jungle Juice”

TPA
Nitroglycerin
Contrast
Lace clot – wire access
Power pulse clot
**Indigo Catheter Thrombectomy**

- Expand reach
- Improve outcomes
- Preserve options
- Conserve resources
- Make your day better

**Indigo - Venous**

- UGA Coed
- Painful swelling left lower
- CTA – poor quality
- Duplex

---

Images of medical scans and procedures related to vascular interventions.
Indigo - Venous

Percutaneous indications
Indigo Catheter shapes
  Large bore sweep
  Core and scrape
  Filter
  Lytic agent
Minimizing blood loss

Percutaneous Thrombectomy