Translumbar Renal Access During FEVAR

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Disclosures

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Overlay of Pre-Op CTA

GE Discovery IGS 730
Installation & CBCT

- Under GA
- 200° spin
- 40°/sec
- 150 images

Wide-bore C-arm of Discovery IGS 730

CBCT/CTA Registration

- PREOP CTA
- PREOP CBCT
- Fusion-guided Puncture & Progression
  - Bull-eye View
  - Progression View

Needle Trajectory Planning

Intermediate assessment With Stereo 3D
Faile to Catheterize?

New installation & new CBCT

LATERAL

200° spin
40°/sec
150 images

TrackVision Needle Trajectory Planning

CASE #1 - COMPLETION CBCT

TrackVision Needle Trajectory Planning
TrackVision Needle Guidance

Case Report

Translumbar Puncture for Retrograde Catheterization of a Kinked Left Renal Stent After Fenestrated Endograft Repair

Adrien Hertzault, MD, Rachel E. Clough, MD, PhD, Teresa Martin-Gonzalez, MD, PhD, Rafaelle Spear, MD, PhD, Richard Azzarelli, MD, Jonathan Sobocinski, MD, PhD, and Stepan Haulon, MD, PhD
Take Home Messages

- Safe & efficient
- Dedicated Workflow:
  - Needle ASSIST with Discovery IGS 730
  - Intermediate assessments with Stereo 3D instead of additional CBCT

3D Imaging

- 3D WS analysis / Hybrid rooms
- Learning curve
- New workflows?