HOW TO USE HYBRID ROOMS OPTIMALLY: BEYOND VASCULAR PROCEDURES

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Conflicts

» Siemens: Research Support, personnel, Grant Support
» Corindus: Speaker, Stock Options, Advisory Board, Grant Support
» Boston Scientific: Speaker, Advisory Board, Grant Support
» Aneumed: Stock Options
» Intact Vascular: Investor

CT IN HYBRID ROOM: NEXT REVOLUTION

• Review source CT—mark targets.
• Position Patient
• Acquire Cone Beam CT scan (no contrast)

MULTI MODALITY IMAGING SUITES

What’s Absurd in Trauma Management?
Transporting a critically ill patient for imaging
Then transporting for corrective therapy.

Hybrid Room Alternate Configurations.

Evolution of the Mobile C-arm
Dose reduction
Cone Beam CT

FUSION: USING PREVIOUSLY ACQUIRED DATASET.

Direct Percutaneous Puncture
Same Technique as Translumbar Embolization
Same Technique as Lung Nodule Localization

Ascending Aortic repair with Suture Line Dehiscence: Failed Endovascular Approach.
Image Fusion
Targeting
Needle Guidance
Percutaneous embolization
No filling at 1 month follow up
C-arm "Bullseye" View
Looks directly down needle track
Laser in center of C-arm shows access point.