DIRECT ANTERIOR HIP SURGERY-STANDARD TABLE

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“I don’t have to outrun the bear, .......

“I just have to outrun you Jeff!”
Disclosures

- Everything I know about DA hip surgery I learned from Bill Hozack
“Why would you do that?”
N=1,017 primary THAs, min 2yr f/u

No intraop fractures, perforations
Neutral stem alignment 98%
Cup anteversion and inclination (>95%)
LLD: 1.2 +/- 0.2cm preop to 0.2+/- 0.1cm postop
Complications: dislocation (0.3%)
Revisions 15 (1.5%): 
  - infection (7), ppx fx (4), instability (2), loosening (1), pain (1)
Outline

- Technical Tips
- Benefits/ Limitations
- Literature comparing “on” to “off table”
Technical Tips- Bed Set Up
Technical Tips- Bed Set Up
Technical Tips- Bump
Technical Tips- Self Retaining Retractors/ Posts
Technical Tips- Self Retaining Posts
Technical Tips- Self Retaining Retractors- Exposure
Technical Tips - Retractors - Femur
Benefits “off table”

- No need for specialized fracture table
  - Initial cost
  - Set up time
  - Logistics (ie running 2 rooms)
  - Reliance on ‘skilled’ personnel for leg positioning

- Ability to clinically assess leg length
- Ability to dynamically test hip stability
Benefits “off table”

- Decreased iatrogenic intraop fractures
- Greater trochanter, calcar, femur, ankle

Isolated Greater Trochanteric Fracture and the Direct Anterior Approach Using a Fracture Table

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Fracture of the Ankylosed Spine Following a Direct Anterior Approach for Total Hip Arthroplasty on a Fracture Table

A Case Report

Stephen Petis, MD, FRCS(C), and Michael Taunton, MD

Investigation performed at the Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota
Limitations "off table"

- Need an additional set of hands
Comparative Literature

- Leg length
- Stability
- Fracture
Intraoperative Femur Fracture Risk During Primary Direct Anterior Approach Cementless Total Hip Arthroplasty With and Without a Fracture Table

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- Leg length
- Stability
- Fracture

- Consecutive series of 2 surgeons
- N=487, excluded FNF
- 12 total IFF (2.5%), 6 in each; no diff age/ gender between groups
  - 2 required revision stems

Discussion
- IFF fx table (0.8-6.5%); standard table (1-7%)
Why I haven’t switched to the table?

The best shooters shoot the exact same way every single time they look at the basket.

— Stephen Curry —