

How I Fix A Depression Fracture

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tendinopathy

Carmont ent BOSTAA il Hospital, Telford al Hospital, Sheffield d Kingdom

BOSTNN



SthAdvanced Course on Knee Surgery



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^{5th}Advanced Course on Knee Surgery

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all.

February 2nd - 7th 2014 Val d'Isère

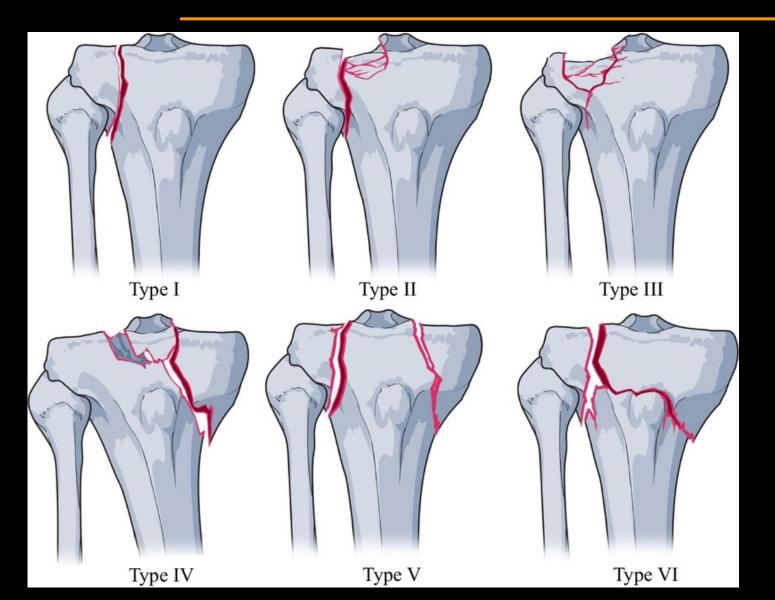


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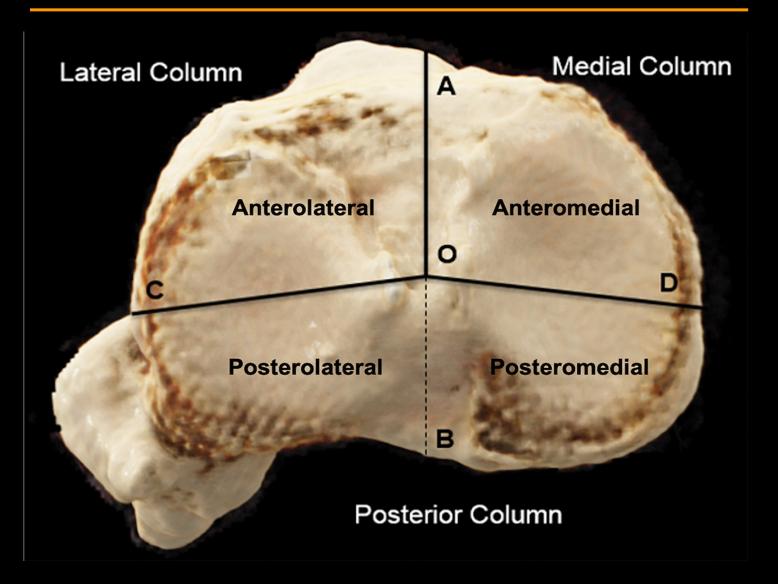


Schatzker Classification 1974



Types II and III

Luo Classification 2010



My Preferred Technique

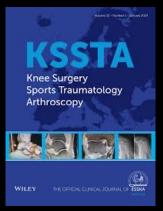
Arthroscopically Assisted



My Preferred Technique



Why Arthroscopically assisted?



Knee Surg Sports Traumatol Arthrosc (2013) 21:564–570 DOI 10.1007/s00167-012-2201-5

KNEE

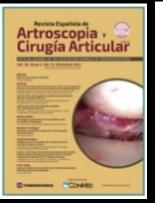
The degree of articular depression as a predictor of soft-tissue injuries in tibial plateau fracture

Alexander S. Spiro · Marc Regier · Alexander Novo de Oliveira · Eik Vettorazzi · Michael Hoffmann · Jan Philipp Petersen · Frank Oliver Henes · Thomas Demuth · Johannes M. Rueger · Wolfgang Lehmann

Significant impact of increasing tibial plateau fracture depression on the incidence of:

- meniscus lateralis tears (P = 0.025)
- anterior cruciate ligament lesions (P = 0.018)

Why Arthroscopically assisted?



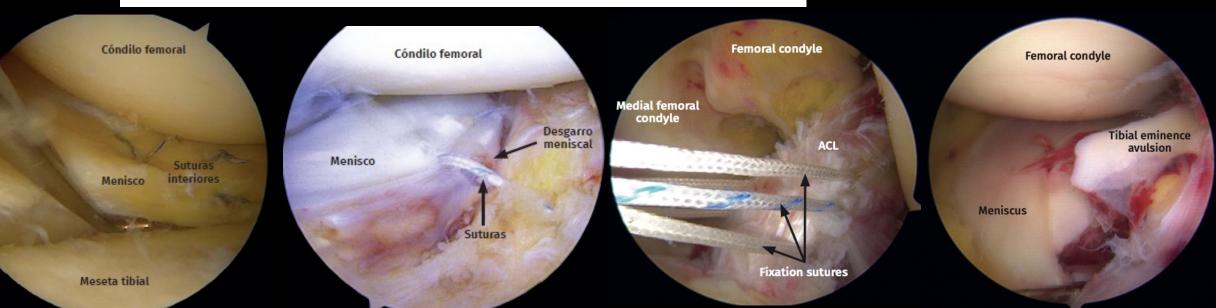
Original

Arthroscopic soft tissue findings associated with tibial plateau fractures

M. Ibáñez¹, J. Chahla², J. Erquicia^{1,3}, H. Simesen de Bielke⁴, S. Sasaki⁵, S. Svarzchtein⁵, J.C. Monllau¹, A. Cid Casteulani⁵

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Why Arthroscopically assisted?



Cheng et al. Journal of Orthopaedic Surgery and Research (2023) 18:448 https://doi.org/10.1186/s13018-023-03938-8 Journal of Orthopaedic Surgery and Research

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RESEARCH ARTICLE

Arthroscopic-assisted reduction and internal fixation for complex tibial plateau fracture: radiographic and clinical outcomes with 2to 15-year follow-up

You-Hung Cheng^{1,4}, Cheng-Pang Yang^{2,4}, Shih-Sheng Chang^{2,4}, Chun-Jui Weng^{2,4}, Chih-Hao Chiu^{2,4} and Yi-Sheng Chan^{2,3,4*}

| Grade | Pre-ope | erative K–L clas | sification | | | The last follow-up K-L classification | | | | |
|-------|---------|------------------|------------|---|---|---------------------------------------|----|----|---|---|
| | 0 | 1 | 2 | 3 | 4 | 0 | 1 | 2 | 3 | 4 |
| All | 73 | 15 | 4 | 0 | 0 | 43 | 28 | 15 | 4 | 2 |
| C1 | 19 | 1 | 0 | 0 | 0 | 13 | 5 | 2 | 0 | 0 |
| C2 | 16 | 4 | 1 | 0 | 0 | 9 | 6 | 5 | 1 | 0 |
| C3 | 38 | 10 | 3 | 0 | 0 | 21 | 17 | 8 | 3 | 2 |

OA Osteoarthritis, K-L Kellgren-Lawrence

| Fue atoms to us a | No. of antionts | Manu aliniant same | Event | Card | E-i- | Deer |
|-------------------|-----------------|--------------------------------|-----------|------|------|------|
| Fracture type | No. of patients | Mean clinical score (range) | Excellent | Good | Fair | Poor |
| All | 92 | 27.55 (16–30) | 67 | 22 | 3 | 0 |
| C1 | 20 | 28.05 (27–30) | 17 | 3 | 0 | 0 |
| C2 | 21 | 27.67 (25–30) | 18 | 3 | 0 | 0 |
| C3 | 51 | 27.31 (16–30) | 32 | 16 | 3 | 0 |
| | | | | | | |

p value of Analysis of Variance (ANOVA): C1–C2: 0.862, C1–C3: 0.466, C2–C3: 0.833



- Good to excellent clinical outcomes
- Low complications
- Good maintenance of radiography



- Accurate joint line reduction control
- Good long-term outcomes
- Low additional complications
- Soft tissue injuries diagnosis and management

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