

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

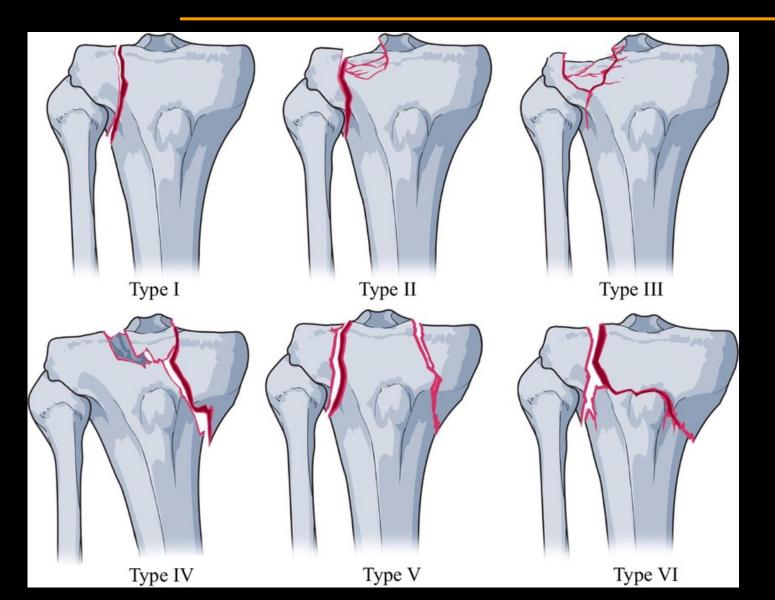


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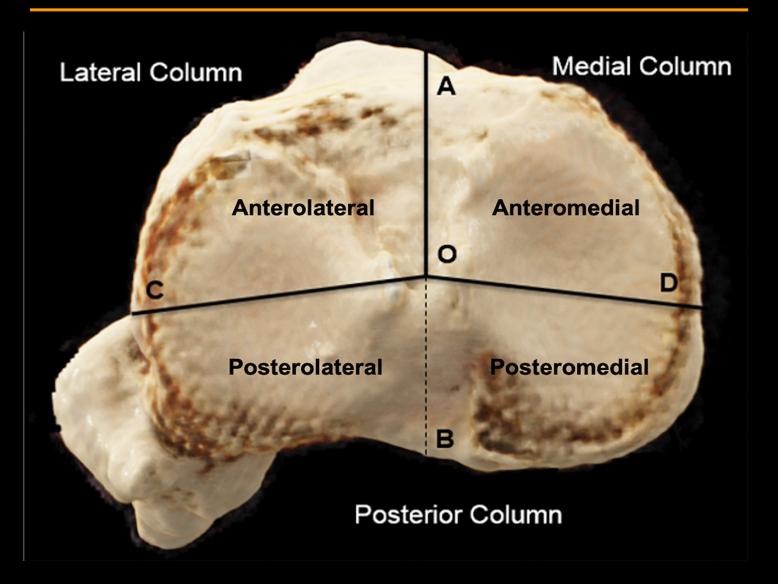


Schatzker Classification 1974



Types II and III

Luo Classification 2010



My Preferred Technique

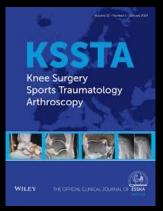
Arthroscopically Assisted



My Preferred Technique



Why Arthroscopically assisted?



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

KNEE

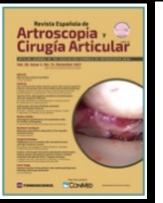
The degree of articular depression as a predictor of soft-tissue injuries in tibial plateau fracture

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?



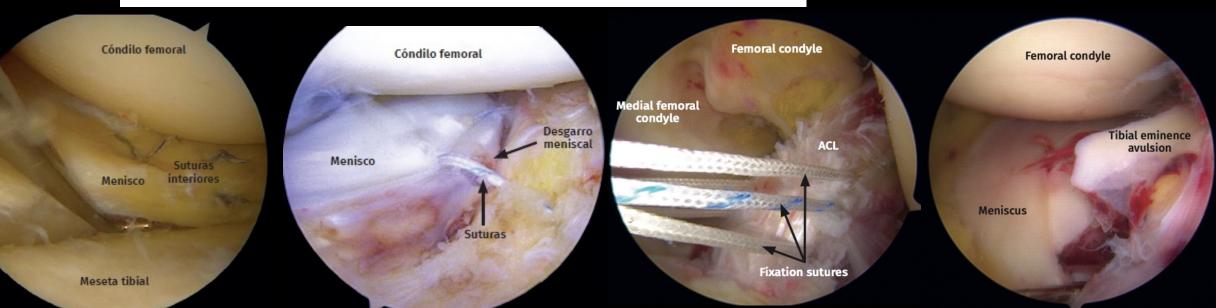
Original

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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