

Manejo del defecto óseo posterior ¿Cuándo y cómo?

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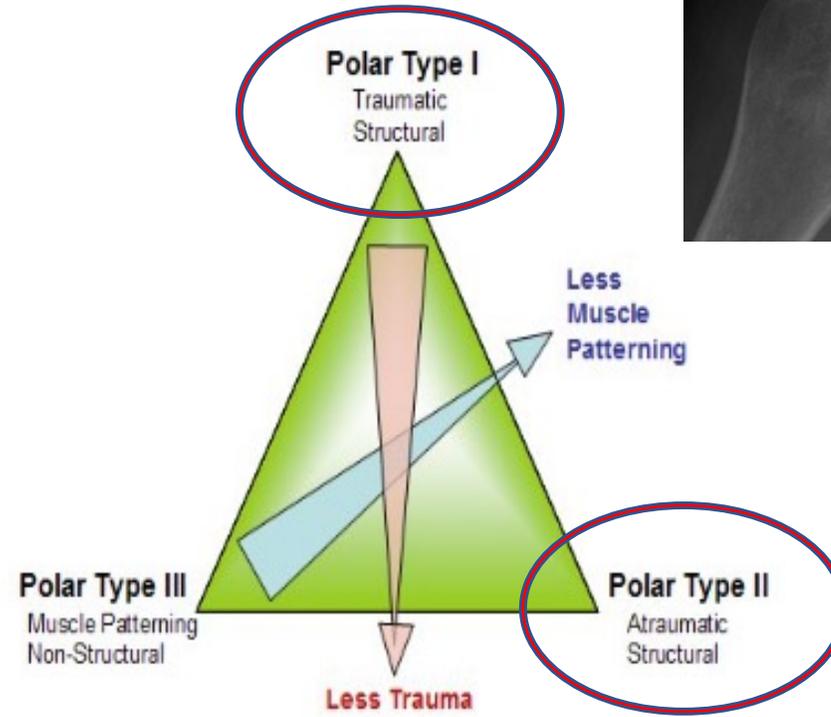
Hospital Universitari de Bellvitge



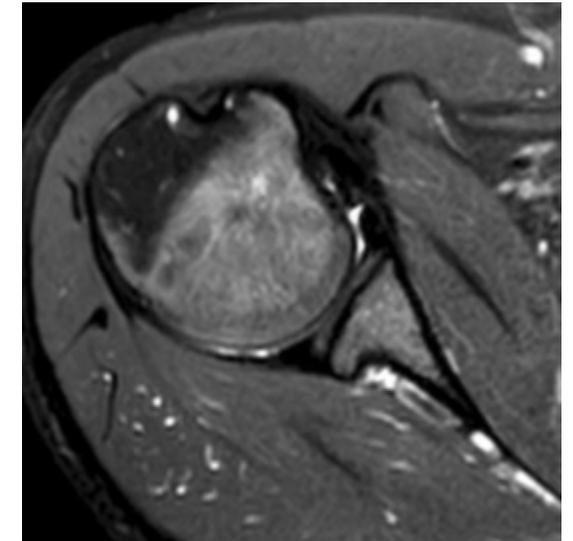
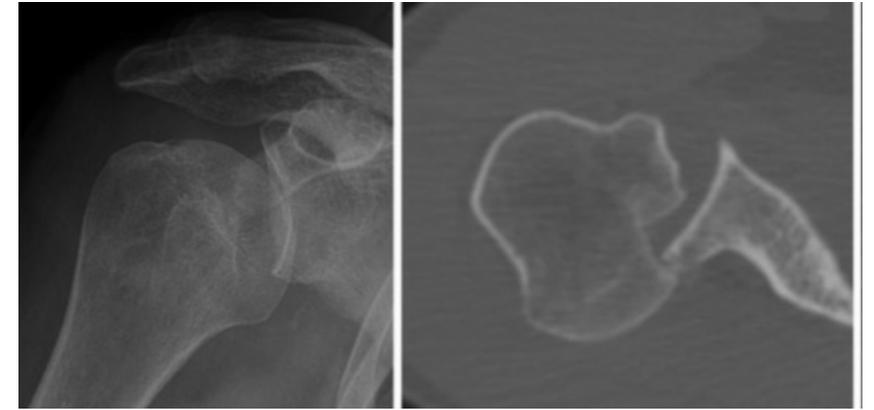
... ¿ Cuándo ?



Definición del paciente... Biomecánica



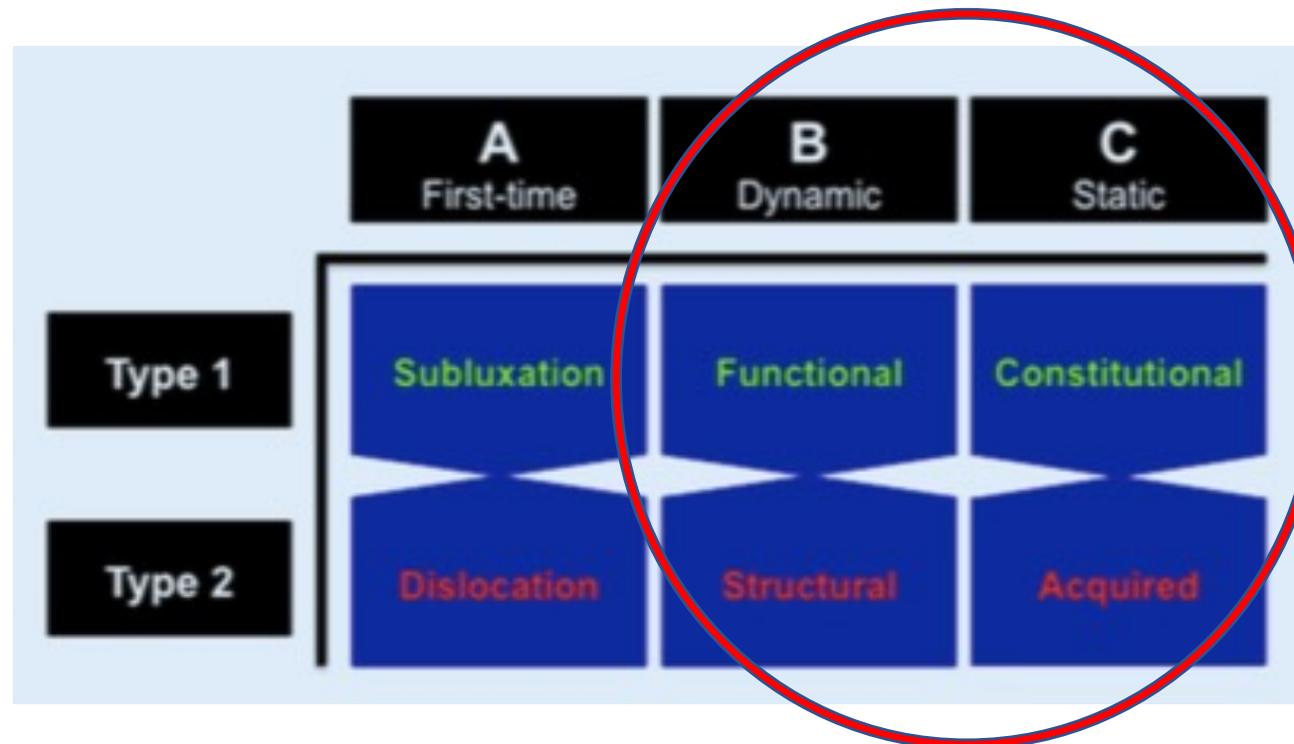
Stanmore



Definición del paciente...

Biomecánica

The ABC classification.



Moroder et al. Obere Extremitat. 2017

Funcionales ...



B1

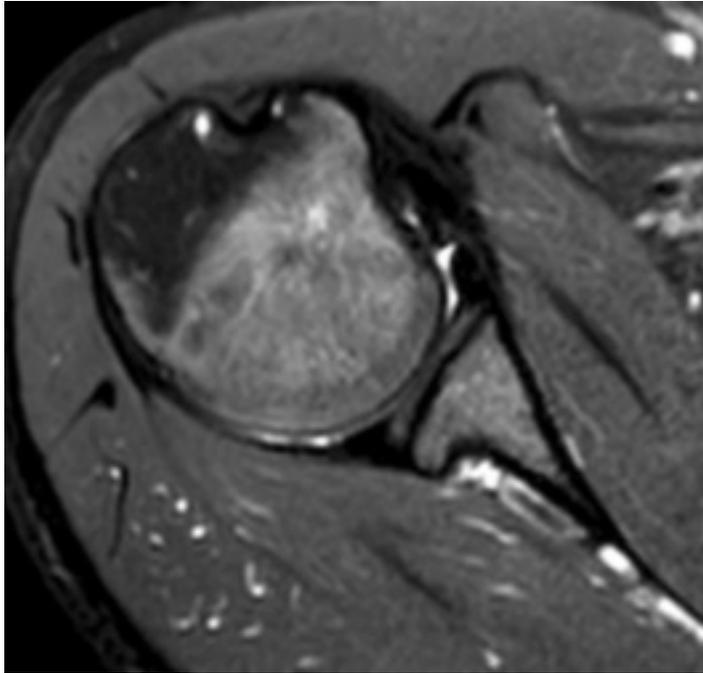


B1

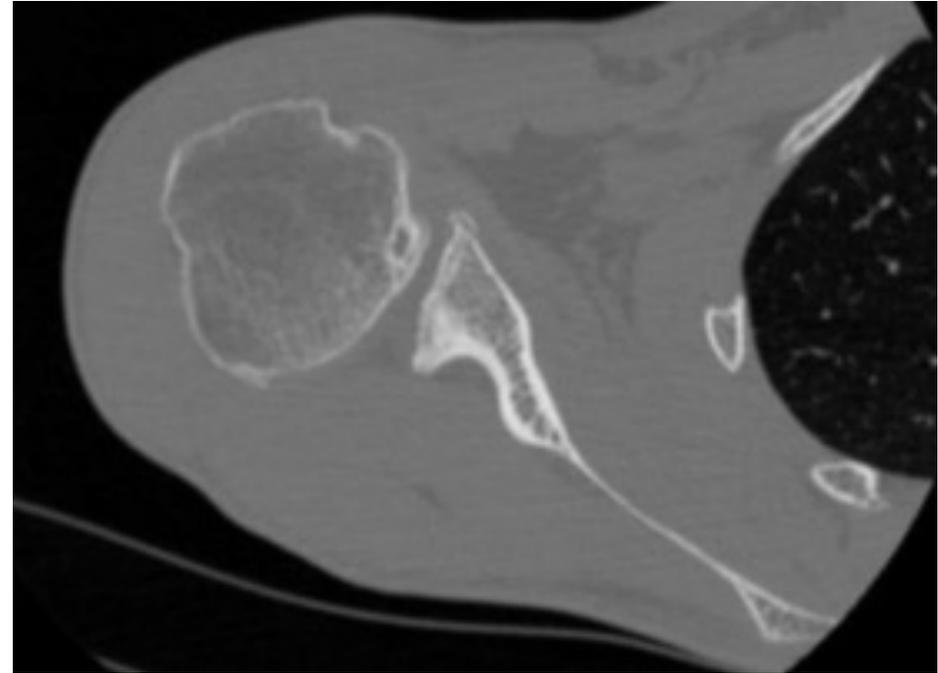


B2

Estáticos ...



C1



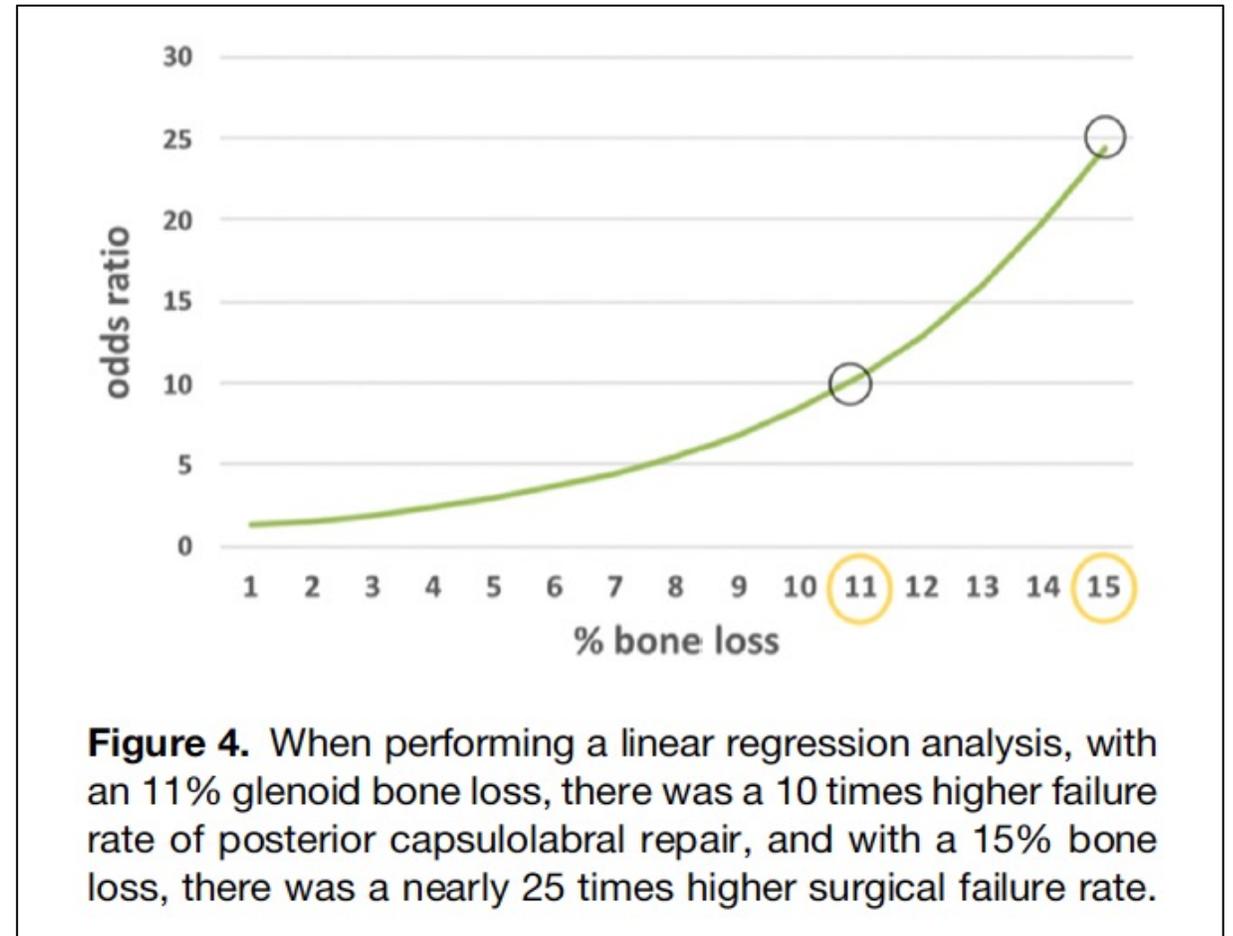
C2

Definición del paciente...

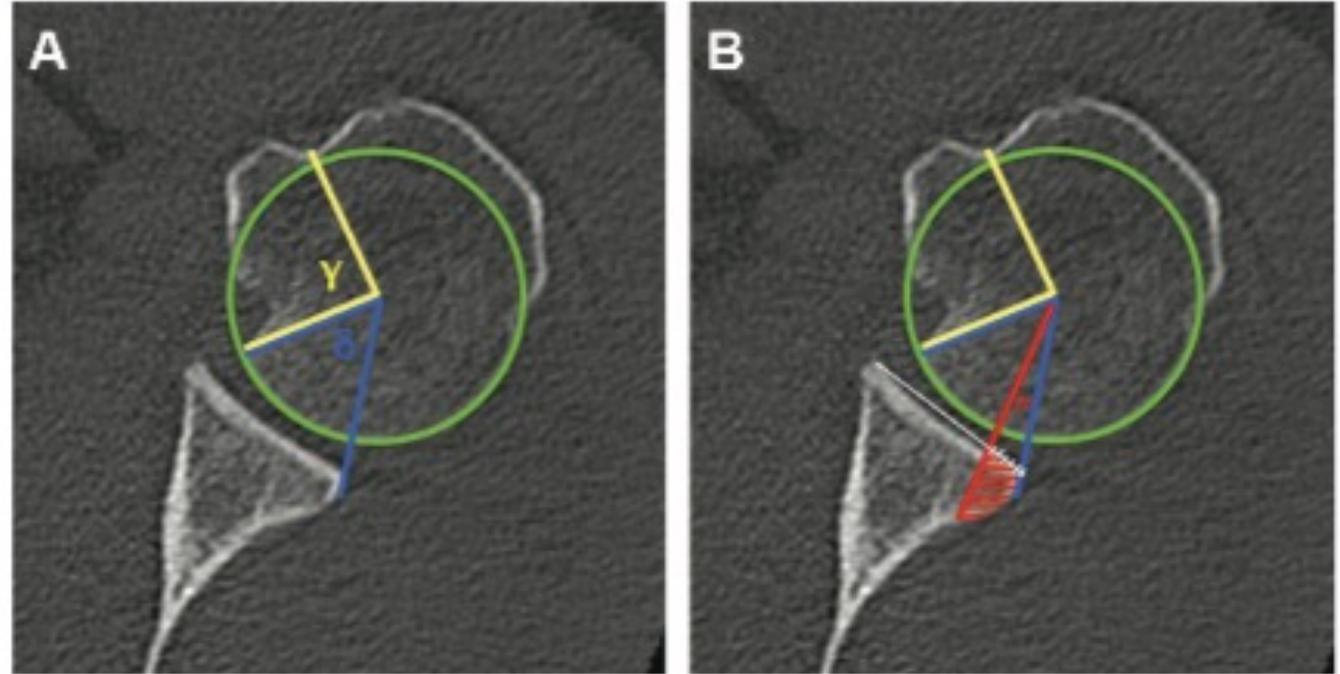
Defecto glenoideo

Defining Critical Glenoid Bone Loss in Posterior Shoulder Capsulolabral Repair

Justin W. Arner,* MD, Joseph J. Ruzbarsky,† MD, Kaare Midtgaard,† MD, Liam Peebles,‡ BS, James P. Bradley,* MD, and Matthew T. Provencher,†§ MD, CAPT, MC, USNR (Ret.)
Investigation performed at the Steadman Clinic and Steadman Philippon Research Institute, Vail, Colorado, USA



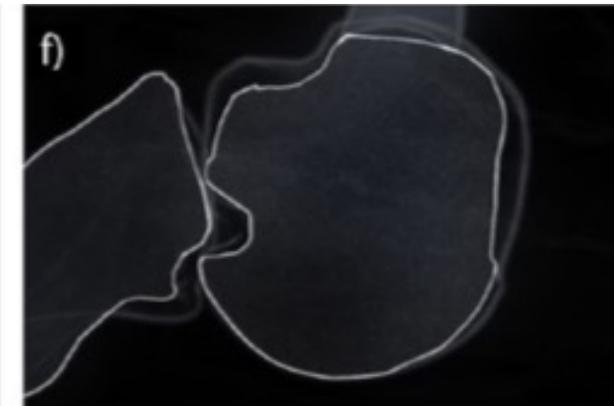
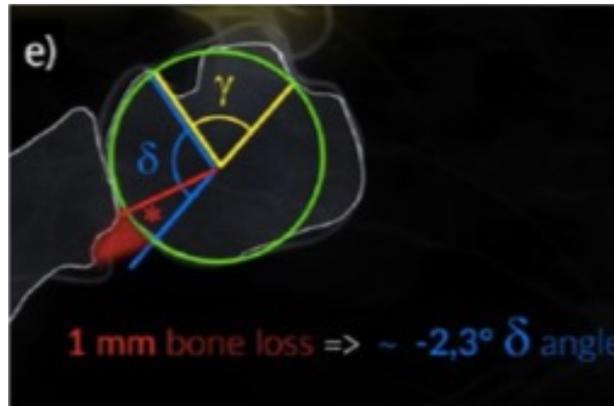
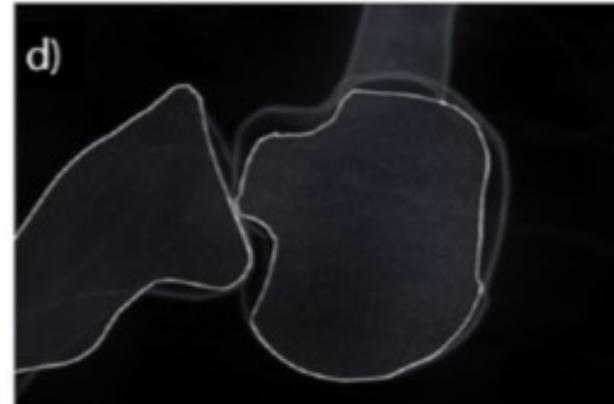
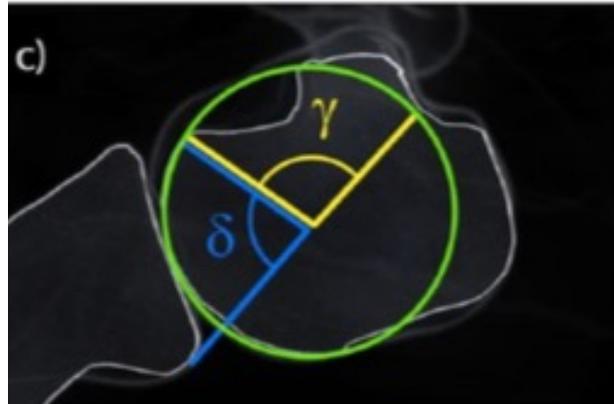
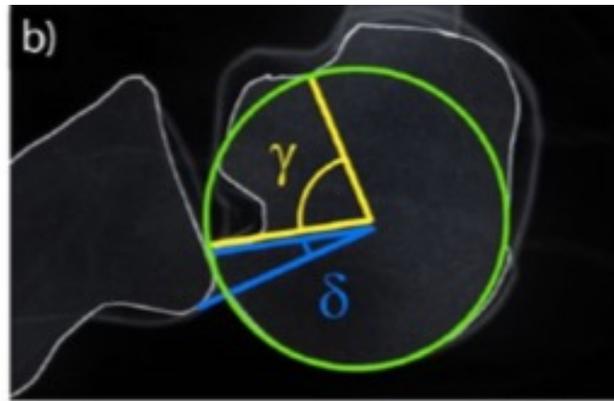
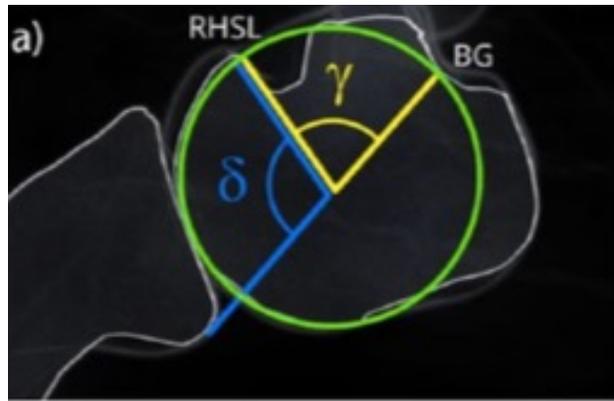
Definición del paciente... Defecto bipolar



Risk of Engagement of Bipolar Bone Defects in Posterior Shoulder Instability

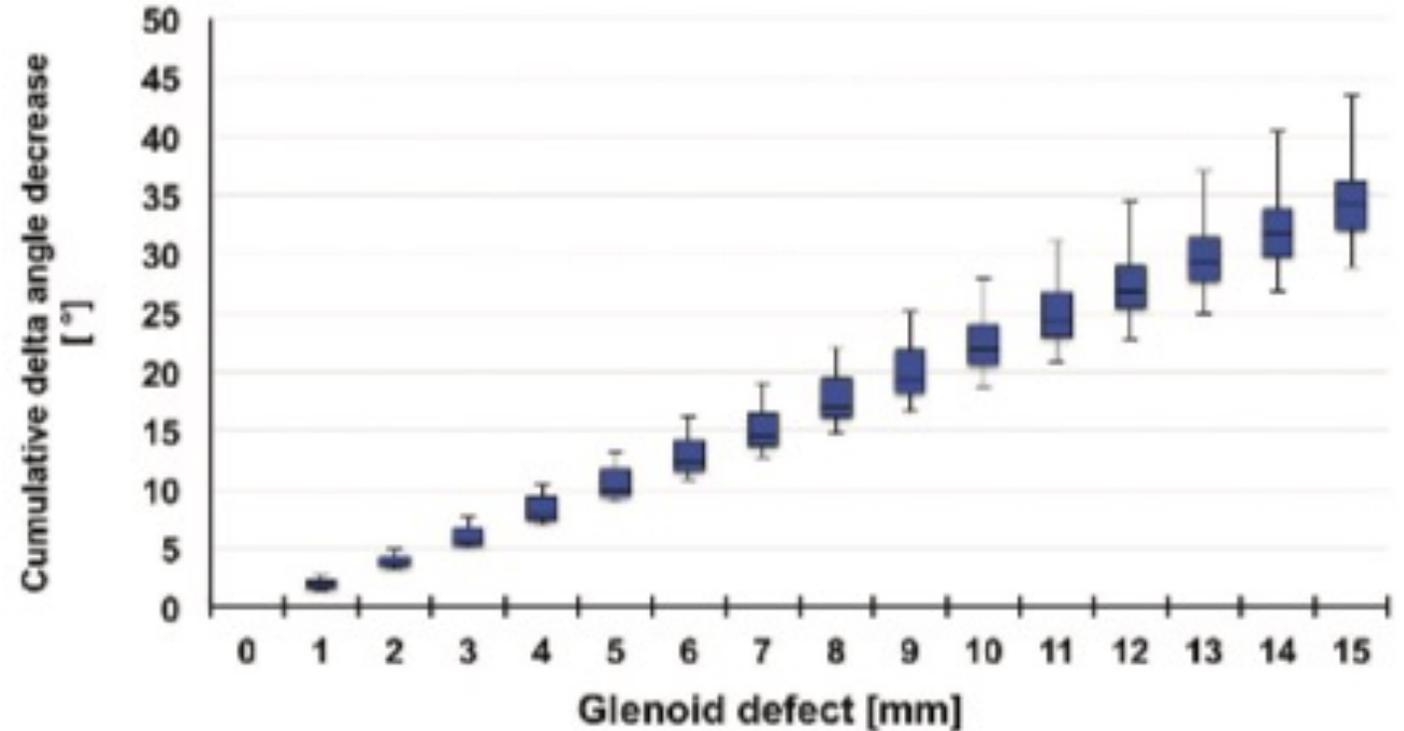
Philipp Moroder,^{*†} MD, Fabian Plachel,^{††} MD, Mark Tauber,[§] MD, Peter Habermeyer,[§] MD, Andreas Imhoff,^{||} MD, Dennis Liem,[¶] MD, Helmut Lill,[#] MD, Herbert Resch,[‡] MD, Christian Gerhardt,[†] MD, and Markus Scheibel,[†] MD

Investigation performed by the German Society for Shoulder and Elbow Surgery (DVSE)



Definición del paciente...

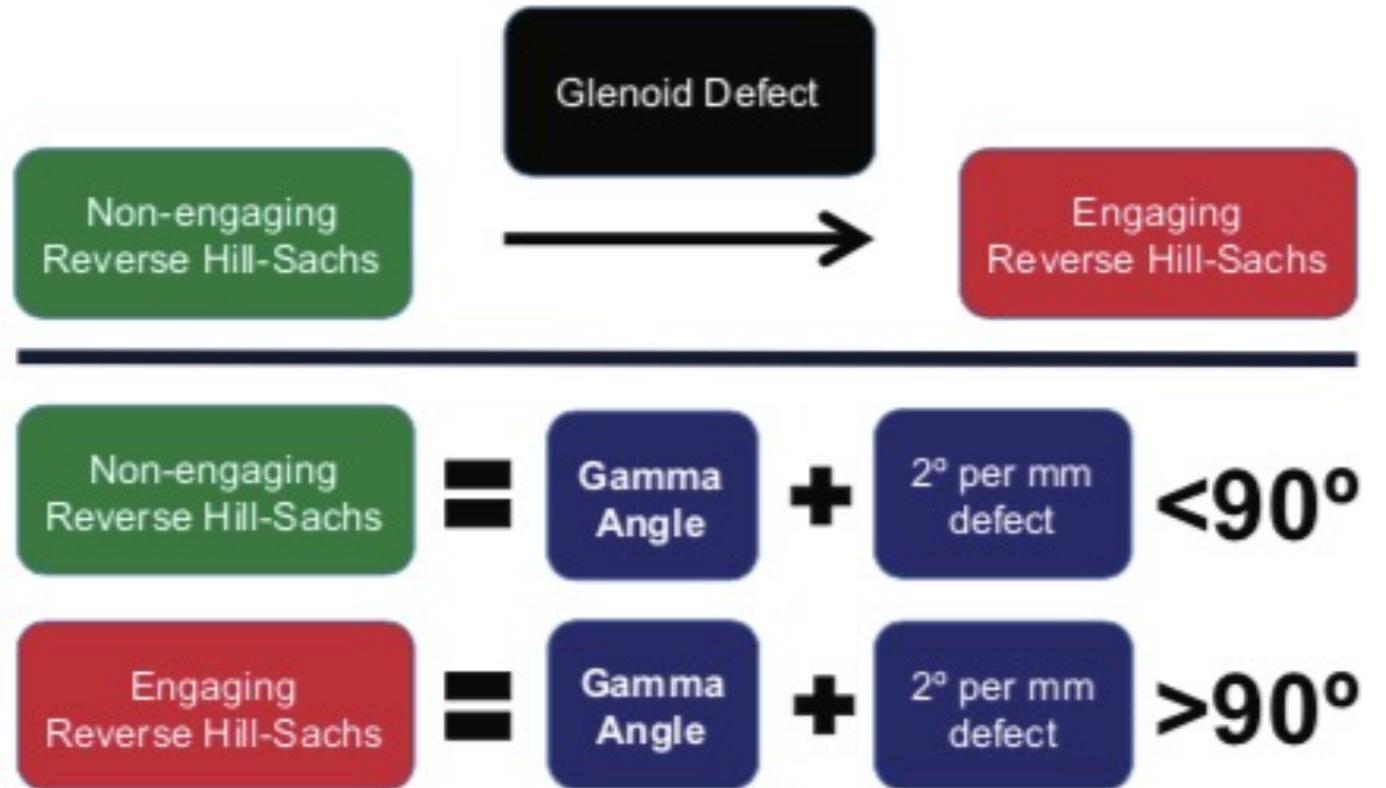
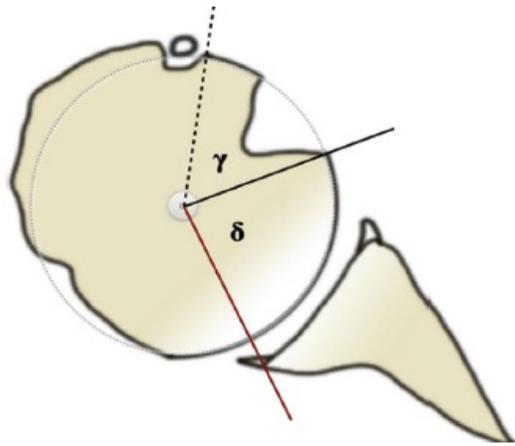
Defecto bipolar



Risk of Engagement of Bipolar Bone Defects in Posterior Shoulder Instability

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Definición del paciente... Defecto bipolar



... ¿ **Cómo** ?



Revisión...

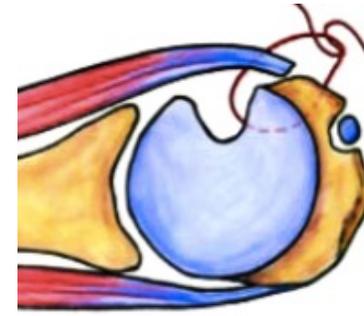
Tratamiento defecto humeral

Técnicas no anatómicas:

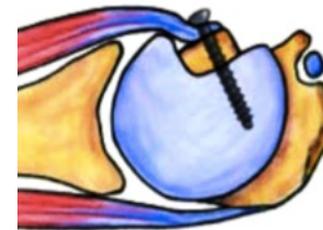
@ “Reverse” Remplissage

Osteotomía rotacional (NAV)

Baja demanda / Inveteradas (¿artroplastias?)



McLaughlin, 1952



McLaughlin Modificado, Neer, 1987

Treatment of The Posterior Unstable Shoulder

Eduardo Sánchez Alepuz^{1,*}, Jaime Alonso Pérez-Barquero¹, Nadia Jover Jorge¹, Francisco Lucas García² and Vicente Carratalá Baixauli²

Revisión...

Tratamiento defecto humeral

Técnicas anatómicas:

Desimpactar – Injertar < 50 % (¿¿ cartílago ??)

Aloinjerto estructural > 50 %



Revisión...

Tratamiento defecto, displasia / retroversión glenoidea



@ BBC

Arthroscopic “Bone Block Cerclage” Technique for Posterior Shoulder Instability

Abdul-ilah Hachem, M.D., Rafael Rondanelli, M.D., Gino Costa D’O, M.D.,
Iñigo Verdalet, M.D., and Xavier Rius, M.D.

Otros...

Acromion pediculado
Clavícula distal
Osteotomía glenoides ...

Giovanni Di Giacomo • Alberto Costantini
Andrea De Vita • Nicola de Gasperis

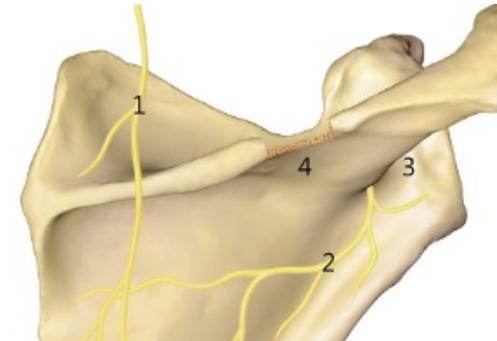
Shoulder Instability



Tibia Distal



Injerto “J”



Espina escapula

Unpublished



EFORT open reviews

Bone block augmentation for recurrent posterior shoulder instability: surgical indications and a description of an arthroscopic technique

Journal:	<i>EFORT Open Reviews</i>
Manuscript ID	EOR-2022-0009.R2
Manuscript Type:	Review Article
Keywords:	Shoulder, Recurrent Posterior Instability, Bone Block

Hachem et al. 2022

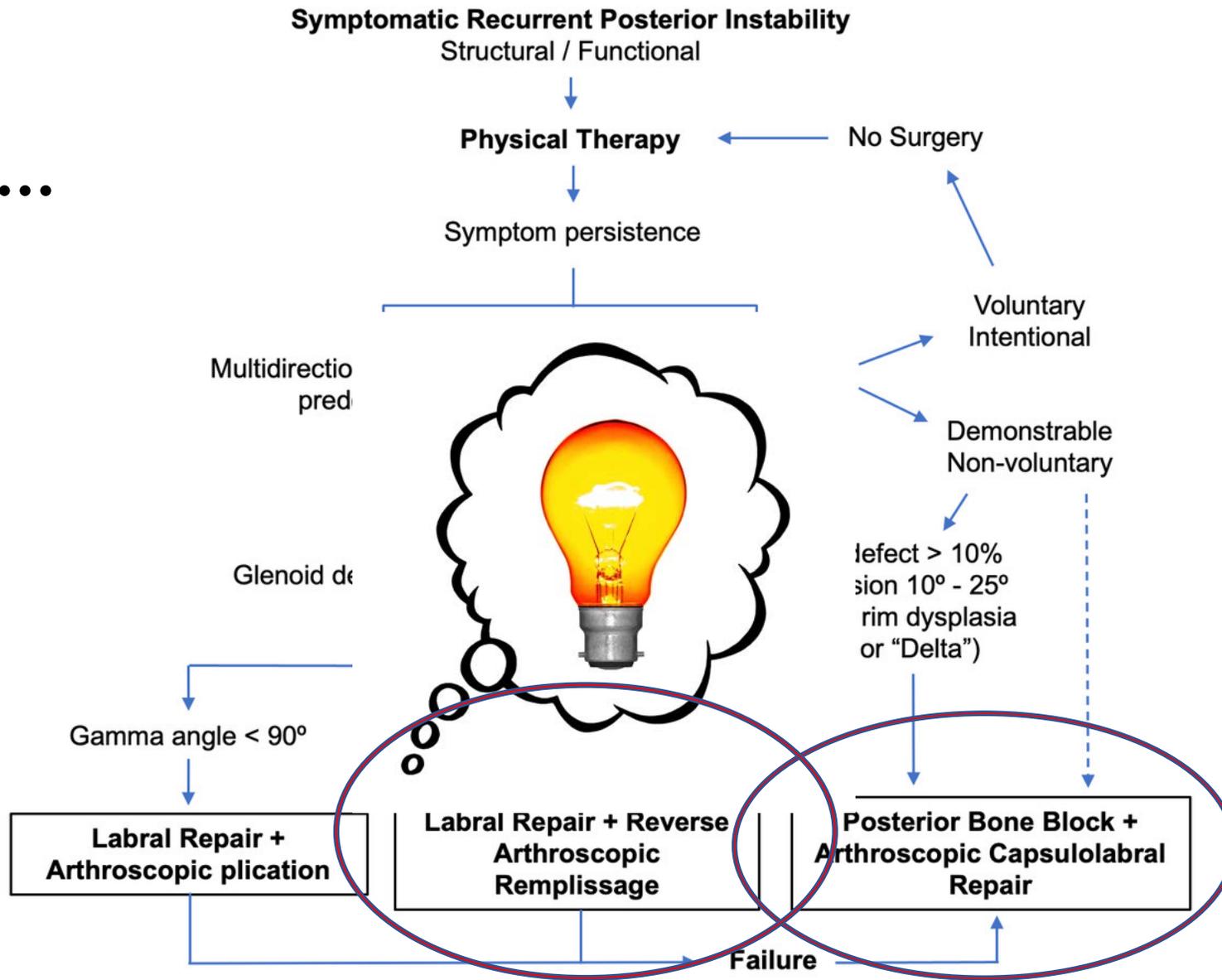
Unpublished

#	Onset	Demonstrable instability	Shoulder Hypermobility	Glenoid defect > 10%	Glenoid rim dysplasia	Retroversion	Failed Previous surgery	Poor posterior soft tissue
1	Non-Traumatic	-	-	Yes	-	-	-	-
2	Non-Traumatic	Yes	Yes	-	-	-	-	Yes
3	Non-Traumatic	Yes	Yes	-	-	Yes	-	-
4	Non-Traumatic	-	-	Yes	-	-	Yes	-
5	Non-Traumatic	Yes	Yes	-	Yes	-	Yes	-
6	Traumatic	-	-	Yes	-	-	Yes	-
7	Traumatic	Yes	Yes	Yes	-	-	-	-
8	Non-Traumatic	Yes	-	Yes	-	-	Yes	Yes

Hachem et al. 2022

Algoritmo Propuesto...

Unpublished



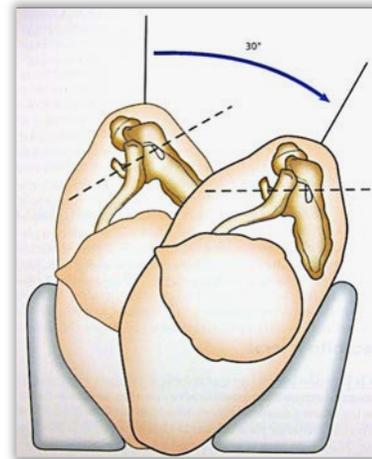
Antes de empezar...

Exploración bajo anestesia

Portales percutáneos 5 y 7

Pasadores hilos indirectos

Implantes todo hilos sin nudos

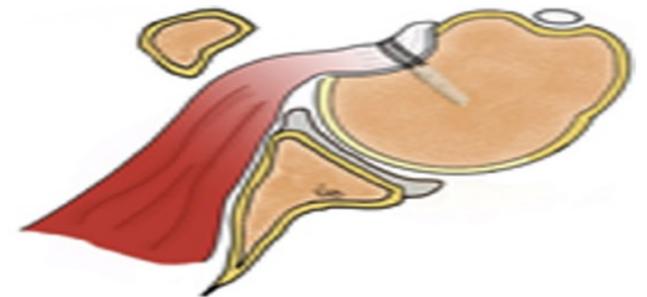
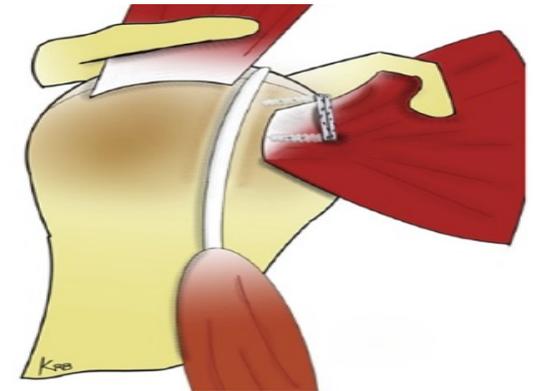
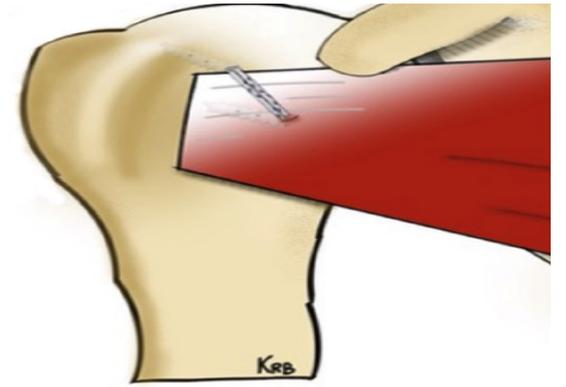


@ “Reverse” Remplissage Subscapular bridge

Glenoides < 10 %
Gamma >90°

Arthroscopic Knotless Subscapularis Bridge
Technique for Reverse Hill-Sachs Lesion With
Posterior Shoulder Instability

Abdul-ilah Hachem, M.D., Karla R. Bascones, M.D., Gino Costa D’O, M.D.,
Rafael Rondanelli S, M.D., and Xavi Rius, M.D.





@ Posterior Bone Block Cerclage

Retroversión > 15° / Displasia

Defecto óseo > 10%

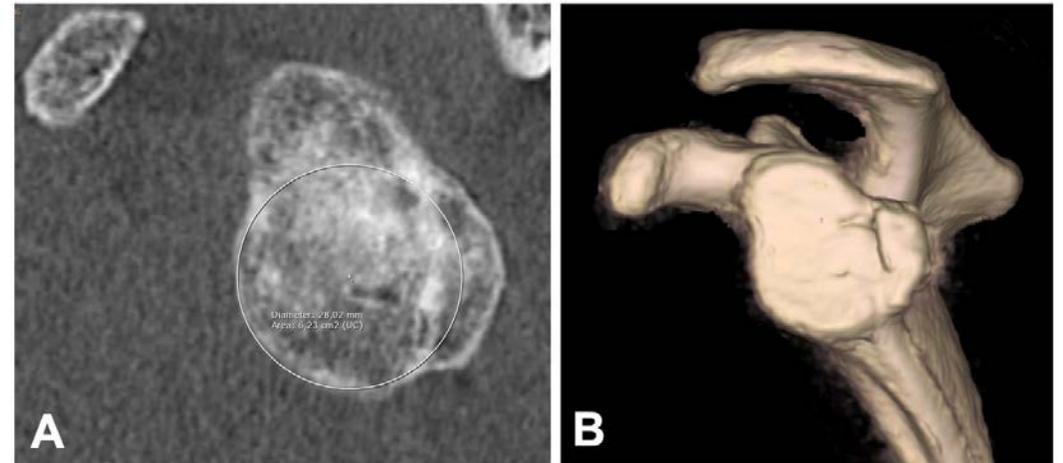
Demostrable Involuntaria

Fracaso de la reparación labral



Arthroscopic “Bone Block Cerclage” Technique for
Posterior Shoulder Instability

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