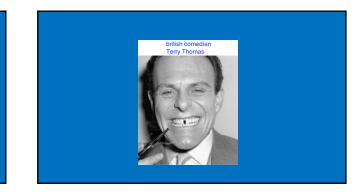
## Orthopaedica Belgica 2019 Congress

Complications in Orthopaedics and Traumatology







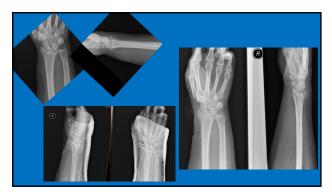


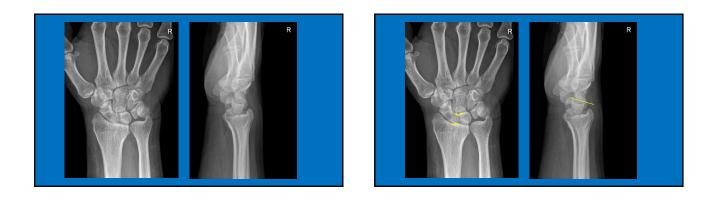
Scapholunate dissociation

Aetiology:

trauma degenerative congenital































## Wrist ligamentoplasty in scapholunate instability

## • Aim

• To decrease the pain

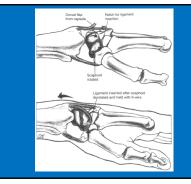
to prevent SLAC in symptomatic patients with chronic reducible
scapholunate dissocciation without osteoarthritis

Technique	Author/year				
STT arthrodesis	[Peterson and Lipscomb, 1967]	27 techniques			
ECRB tenodesis through the scaphoid	(Palmer et al., 1978)	Eur J Hand Surg 2018			
Scaphoid-lunate-capitate-triquetrum arthrodesis	(Uematsu, 1979)				
Limited triscaphoid intercarpal arthrodesis	(Watson, 1980)				
Extensor tenodesis (dorsal and palmar)	[Glickel and Millender, 1984]				
Scapholunate arthrodesis	[Hastings and Silver, 1984]				
Blatt capsulodesis	[Blatt, 1987]				
Palmar SLIL reconstruction with K-wire	(Convers, 1990)				
Four-Bone ECRB weave	(Almquist et al., 1991)				
Scaphocapitate arthrodesis	[Pisano et al., 1991]				
aphocapitolunate arthrodesis	(Rotman et al., 1993)	The management of chronic non-arthritic			
Brunelli FCR tenodesis	(Brunelli and Brunelli, 1995)	scapholunate dissociation: a systematic			
Dorsal radioscaphoid capsulodesis	[Wintman et al., 1995]	review			
RASL with Herbert screw	(Rosenwasser et al., 1997)				
Dorsal capsulodesis with suture anchors	[Uhl et al., 1997]	Zafar Naqui <sup>1</sup> , Wee Sim Khor <sup>1</sup> , Anuj Mishra <sup>2</sup> , Vivien Lees <sup>2</sup> and			
Modified Brunelli FCR tenodesis	[Van Den Abbeele et al., 1998]	Lindsay Muir <sup>1</sup>			
Bone-retinaculum-bone autograft (distal radius)	(Weiss, 1998)				
Metacarpal-carpal bone-retinaculum-bone autograft	[Harvey and Hanel, 2002]				
Mayo dorsal capsulodesis	(Moran et al., 2005)				
Arthroscopic debridement and pinning of joint	[Darlis et al., 2006]				
Three-ligament FCR tenodesis	(Garcia-Elias et al., 2006)				
Arthroscopic RASL	[Aviles et al., 2007]				
ECRB ligamentoplasty and dorsal capsulodesis	[Papadogeorgou and Mathoulin, 2010]				
Arthroscopic dorsal capsulodesis	(Mathoulin et al., 2011)				
Viegas dorsal capsulodesis	(Camus and Van Overstraeten, 2013)				
Transosseous ligament reconstruction with FCR	[Ross and Couzens, 2013]				
Arthroscopic dorsal and volar ligament reconstruction	(Ho et al., 2015)				

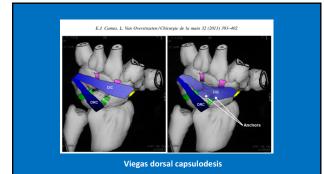
## Different ligamentoplasties

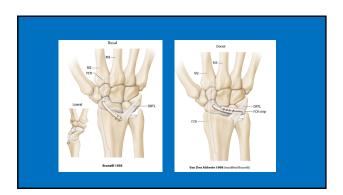
capsulodesis

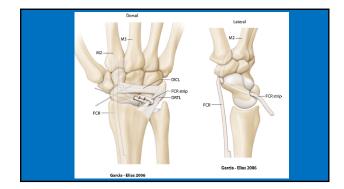
Tenodesis with FCR, ECRL, ECRB

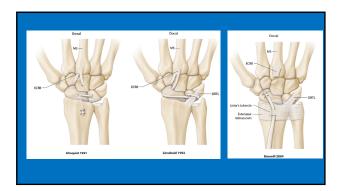


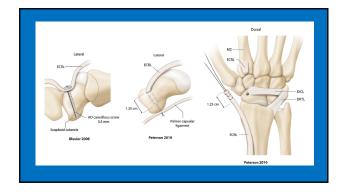
Blatt capsulodesis







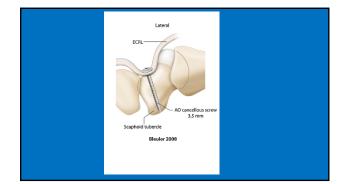






J Hand Eur Author	Procedure	Pain	Grip strength	Flex – extension change	Radial ulnar change	SL angle	SL gap	Complication
Busse F	capsulodesis	-30.7%	-3.1%	-17.3%	-4.1%	-6.5%	NR	19%
Camus EJ	capsulodesis	-51.7%	40.8%	-0.4%	48.6%	-3.9%	-22.4%	23%
Deshmukh SC	capsulodesis	-48.1%	NR	-40.5%	NR	6.7%	NR	14%
Mathoulin CL	capsulodesis	-84.9%	NR	NR	NR	-13.5%	NR	3%
Misra A	capsulodesis	-52.4%	27.5%	1.3%	22.2%	-5.9%	-7.7%	13%
Pomerance J	capsulodesis	4.2%	24.3%	-14.6%	NR	10.8%	19.6%	53%
Yang Y	capsulodesis	-73.0%	28.7%	-18.3%	NR	-3.2%	-10.0%	8%
Links AC*	tenodesis	-49.2%	13.3%	-47.9%	-18.6%	-13.1%	-18.9%	0%
Ross M	tenodesis	-24.2%	18.7%	-21.5%	NR	-29.4%	-61.1%	0%
Van den Abbeele KL	tenodesis	-57.8%	0%	-18.6%	6.5%	0%	NR	50%
Chantelot C	arthrodesis	Non-numerical	27.3%	-29.0%	-20.8%	NR	NR	23%
Caloia M	RASL/pinning	-72.2%	NR	NR	NR	-15.9%	-34.2%	22%
Darlis NA	RASL/pinning	Non-numerical	NR	-8.8%	-16.3%	12.8%	18.8%	45%
Ho PC	other	-62.8%	14.5%	13.6%	15.9%	-16.3%	-40.2%	14%
Links AC*	other	-71.0%	36.7%	-16.7%	-22.7%	-24.6%	-43.6%	14%
O'Meeghan CJ	other	-57.9%	-4.0%	0%	-2.4%	0%	8.0%	NR
Papadogeorgou E	other	Non-numerical	NR	7.7%	28.6%	NR	NR	44%
Hahn P	other	Non-numerical	NR	NR	NR	-18.7%	-44.4%	NR

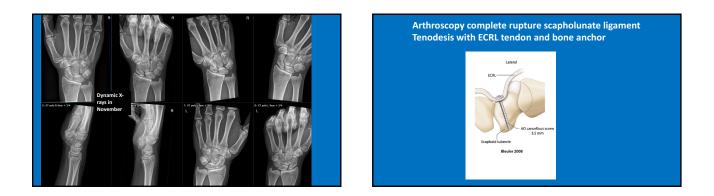






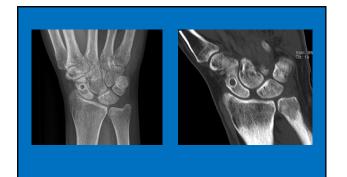












Avascular Necrosis of the Scaphoid After Three-
Ligament Tenodesis for Scapholunate Dissociation:
Case Report
Luc De Smet, MD, PhD, Raf Sciet, MD, PhD, Ilse Degreef, MD, PhD

An unsual complication after translation for captionizane instability (Brunell'i technique) is described. More than 11 year after the procedures. In facture of the scaphold with tolehops was observed. Further examination constituded there was aroundin accession of the scaphold. The Comparison of 2011 bits of the Antonian Statestop for Statestop of the Manuel Alt rights reserved. Expeription 10 2011 bits the Antonian Statestop for Statestop of the Manuel Alt rights reserved. For work: Avancelar necessis, complication, scaphold, scapholanne ligament, wrist.

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40-year-old man Dorsal capsulodesis Loss of reduction, but no pain and satisfied













**Conclusion** 

20% complications:

Loss of wrist flexion

CRPS

Loss of reduction

Progression to osteoarthritis

