	Most Common Sport related Carpal Joint Lesions Seen in Practice	
	MSK Ultrasonography - The Fore Limb Canine Sport Medicine Espoo - Finland 2023	
and the second second		
	Alessandro Piras DVM - ISVS	

Common Soft Tissues Lesions of the Carpus

Collateral Ligaments Palmar Ligaments Dorsal Ligaments Accessorio Metacarpal Lig.





LET'S REFRESH THE ANATOMY
How many portions there are in the short radial collateral
ligament?
inguineire.
L Two portions
2 One single portion
3 Three portions

The palmar radiocarpal ligament originates on the palmar aspect of the radius and inserts in:

I.The radial carpal bone

2.The ulnar carpal bone

3.The accessory carpal bone

LET'S REFRESH THE ANATOMY	
The palmar fibrocartilage inserts:	
I.All the carnal bones and the base of the metabones	
2.The distal radius, all the carpal bones and the base of the	
metabones	
3.The distal radius and all the carpal bones	









PALMAR LIGAMENT & FIBROCARTILAGE



Courtesy of K. Johnson





Clinical Examination

Cranial translation Flex the Carpus 90 degrees Palmaro-dorsal pressure on the Metacarpal bones Cranial gliding of few millimeters











































Relatively Low Speed Injury - Mostly two feet contact to A Frame Carpal hyperextension generates strong compression forces Weight is distributed on both forelimbs Continuous micro-trauma affects mostly origin of ACB-Metacarpal lig, leads to chronic sprain





"Accessory Carpal Bone Disease" in Collie Breeds

Treatment: Peri-ligamentous infiltration with Triamcynolon Acetonide Physiotherapy: Massage -Passive ROM - Proprioceptive Exercises (Balance Board) TECAR - Lazer Controlled activity for 3 weeks - Gradual reintroduction to Agility routine training reducing A frame to minimum -**Prognosis** Generally excellent for early cases - guarded for chronic cases with potential relapsing of lameness

Prevention ~ A frame angle to be changed?



Courtesy of Mark Glyde



INI	DICATIONS FOR PANCARPAL VS PARTIAL CARI
	Partial carpal fusion in the dog - B. Slocum,T. Devine - JAVMA,Vol.180, No.10 - 1982
	3 Categories - define indications for partial CA
	Weight bearing x-rays + valgus and varus stress views
	Categories I and 2 can be determined by Physical Examination

















Case Example

Whippet - Male - 3 Years - 12 Kg
Sport: Racing and Coursing
Fall during a competition 5 days before presentation
Left Fore - Mildly lame at walk but lame during trot and runs
Compliance: Owner +++ ~ Patient +++

















Case Example



Whippet - Female - 4 Years - 10 Kg Sport: Racing and Coursing Fall during a competition 2 days before presentation Left Fore - Mildly lame at walk but lame during trot Compliance: Owner +++ ~ Patient +++





Medial radio-carpal instability





























