

Sezioni RM e MSK
Imaging della spalla e del ginocchio



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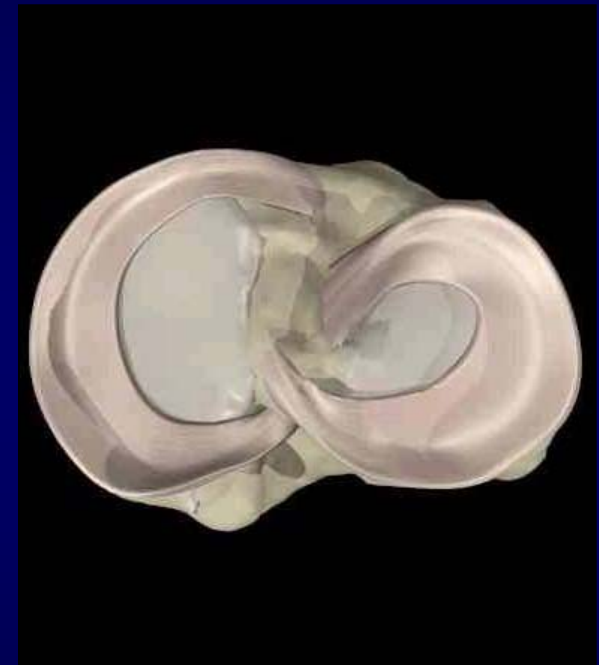
Patologia Extralegamentosa del Ginocchio

MENISCO

ANATOMIA

Menisco Mediale

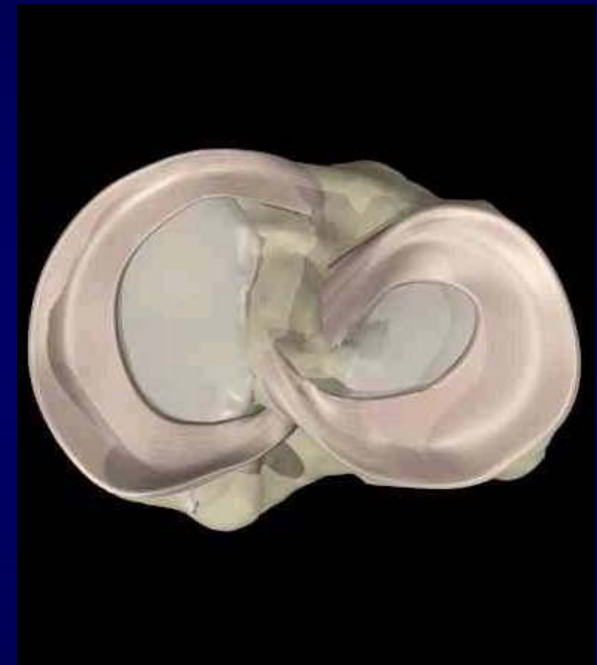
- semiluna aperta
 - forte connessione alla capsula
- corno anteriore - leg. trasverso (o jugale)
corpo - leg. menisco-femorale e menisco-tibiale
corno posteriore - capsula e t. Semimembranoso



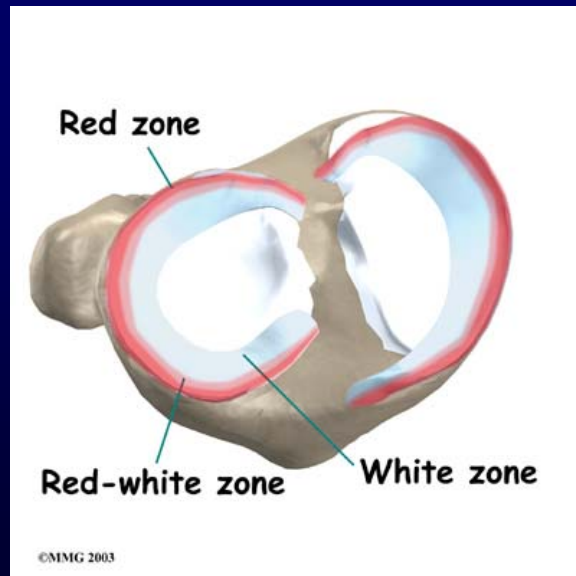
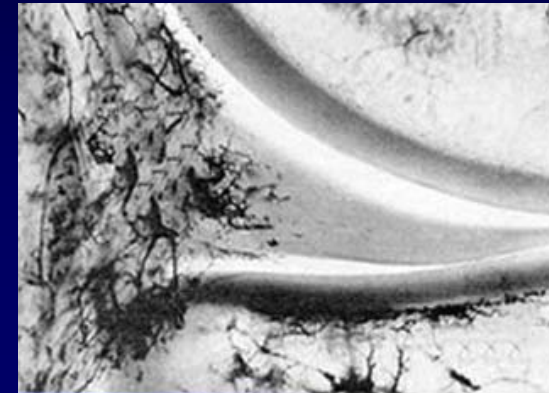
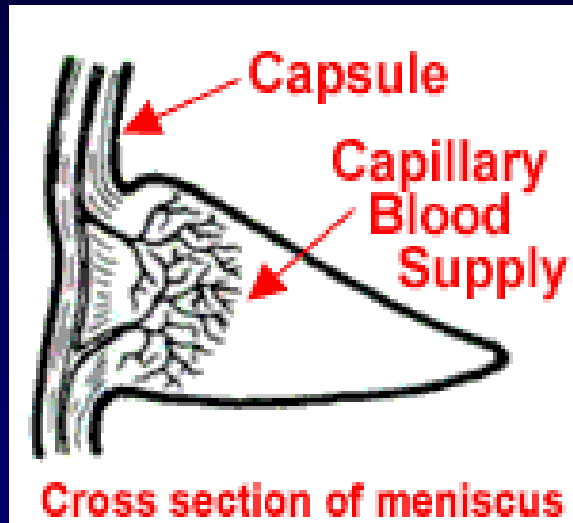
ANATOMIA

Menisco Laterale

- semiluna chiusa
 - connessione lassa alla capsula
- corno anteriore - leg. trasverso (o jugale)
corpo - leg. menisco-femorale e menisco-tibiale
corno posteriore - hiatus popliteo + leg. Humphrey
+ leg. Wrisberg

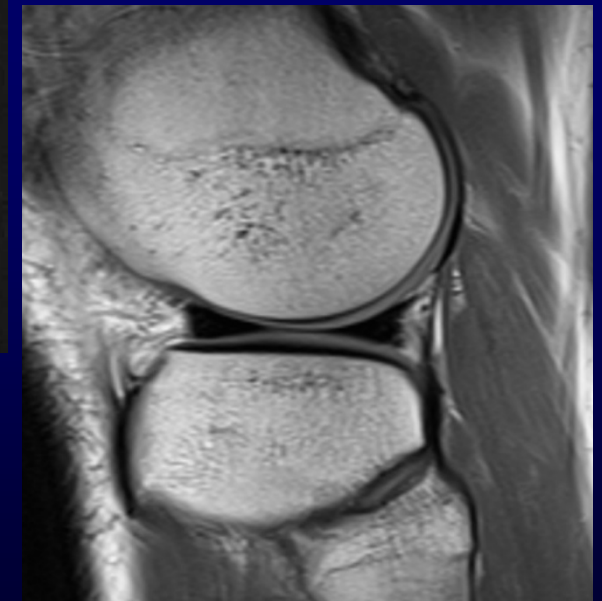
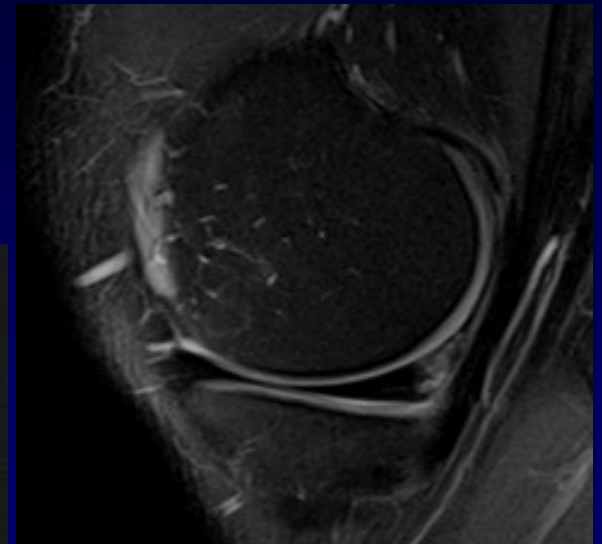
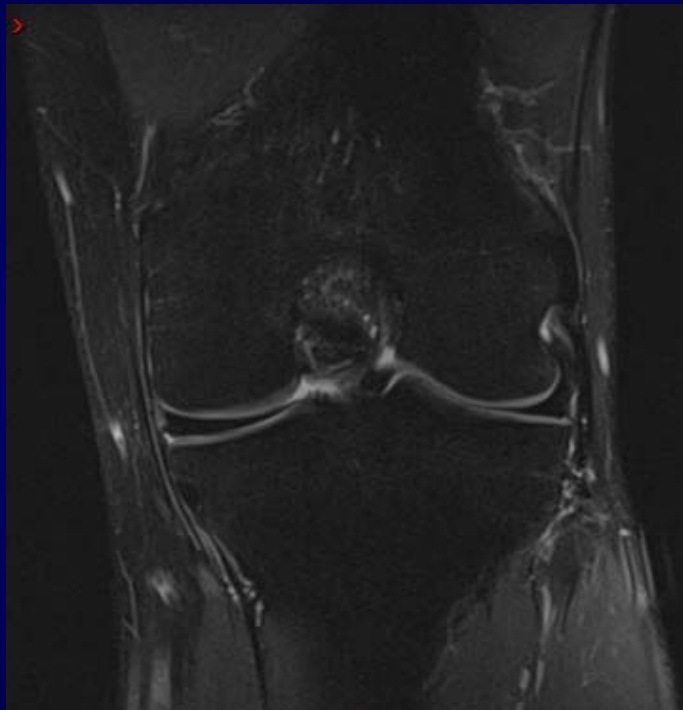
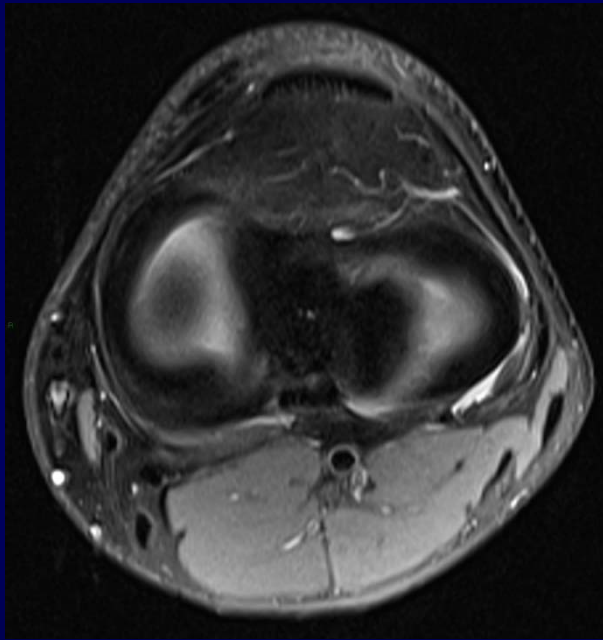


ANATOMIA

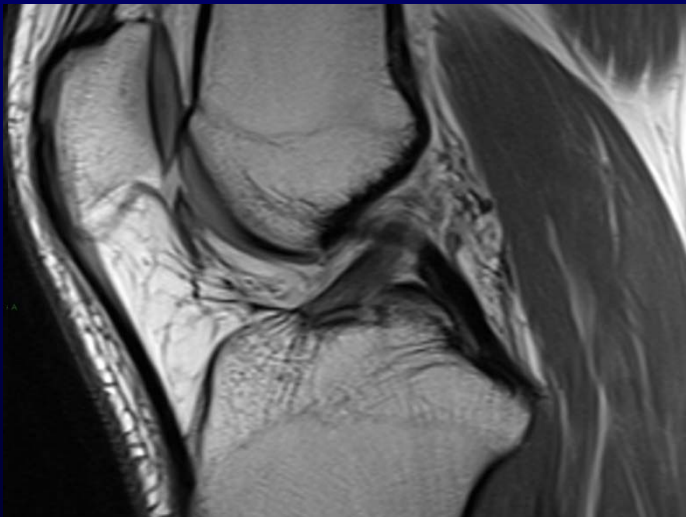
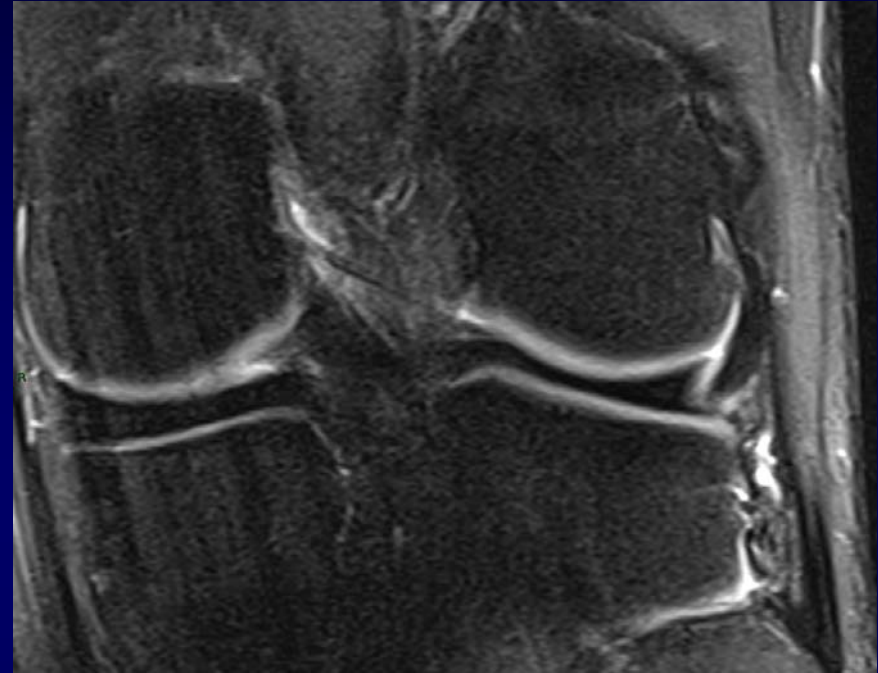
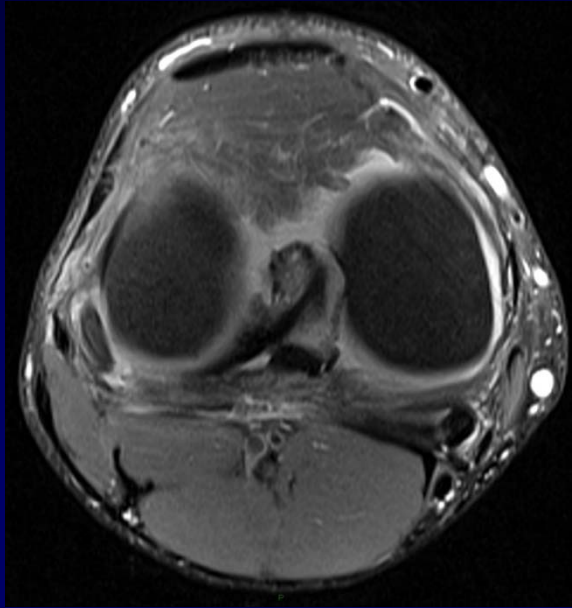


ANATOMIA RM

MENISCHI



ANATOMIA RM



ML – legamenti accessori

PATOLOGIA

SEQUENZE	TSE T1	TSE T2	DP FS	STIR
TENDINE	IPOINTENSO	IPOINTENSO	IPOINTENSO	IPOINTENSO
GRASSO	IPERINTENSO	- IPERINTENSO	IPOINTENSO	IPOINTENSO
LIQUIDO	IPOINTENSO	IPERINTENSO	- IPERINTENSO	IPERINTENSO
MENISCO	IPOINTENSO	IPOINTENSO	IPOINTENSO	IPOINTENSO
LEGAMENTO	IPOINTENSO	IPOINTENSO	IPOINTENSO	IPOINTENSO
OSSO	IPERINTENSO	- IPERINTENSO	IPOINTENSO	IPOINTENSO

PATOLOGIA MENISCALE

- ANOMALIE CONGENITE
- DEGENERAZIONE
- FISSURAZIONE
- FRATTURA
- DISINSERZIONE MENISCO-CAPSULARE
- CISTI PARAMENISCALE

PATOLOGIA MENISCALE

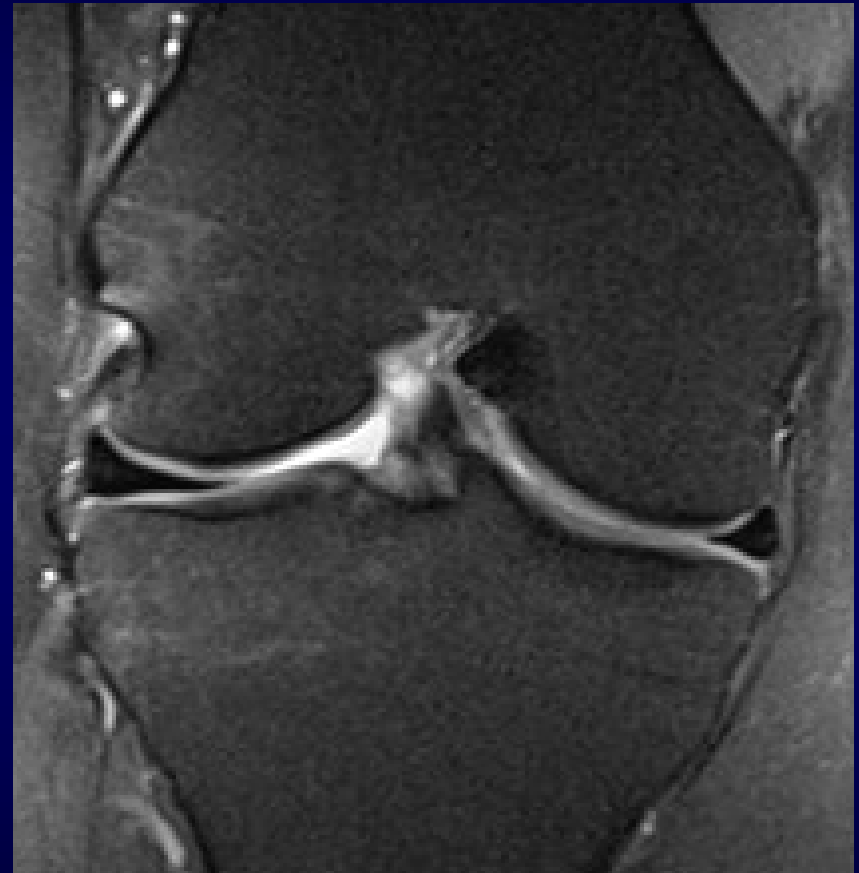
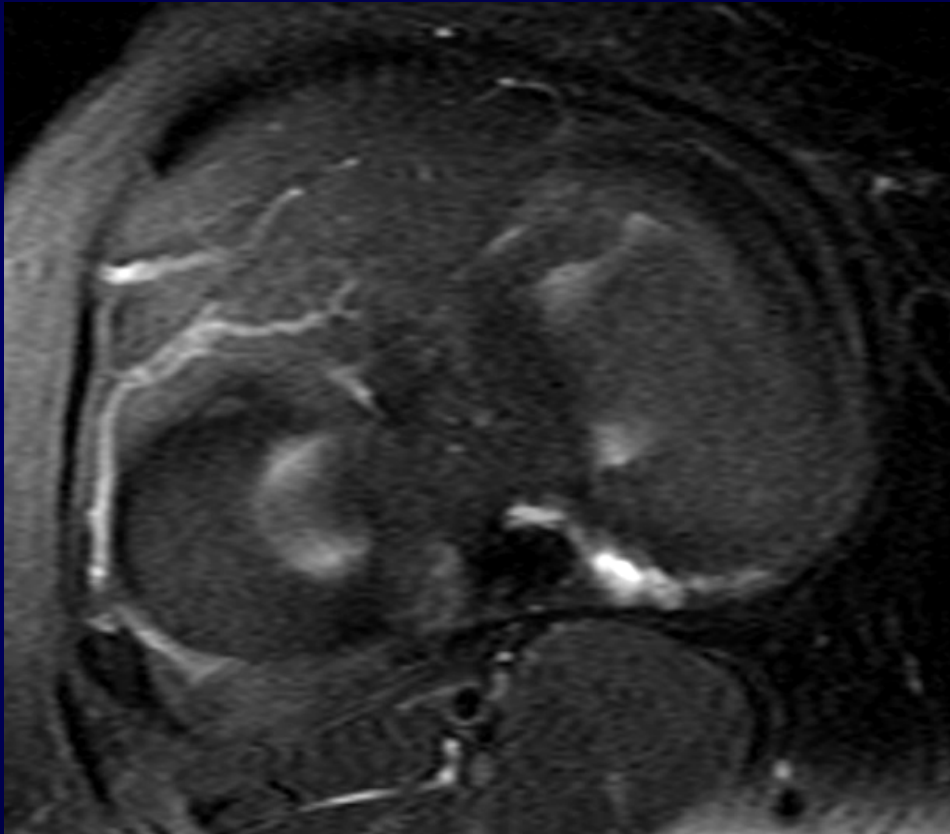
ANOMALIE CONGENITE

- Menisco laterale (frequente)
- Menisco mediale (rara)

Alterazione congenita della morfologia meniscale:

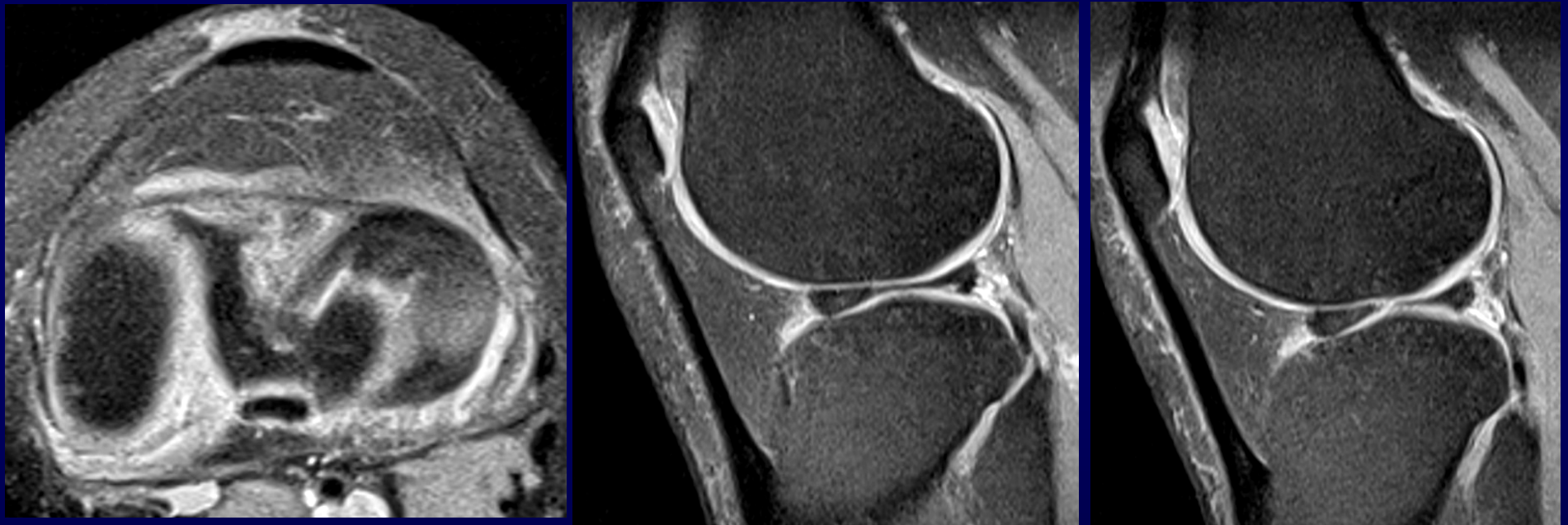
- Discoide completo
- Discoide incompleto
- Megacorno anteriore
- Megacorno posteriore

MENISCO LATERALE DISCOIDE

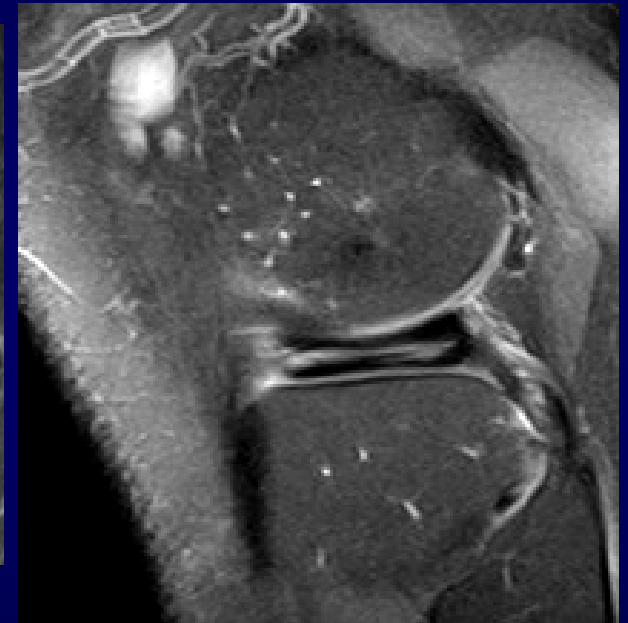
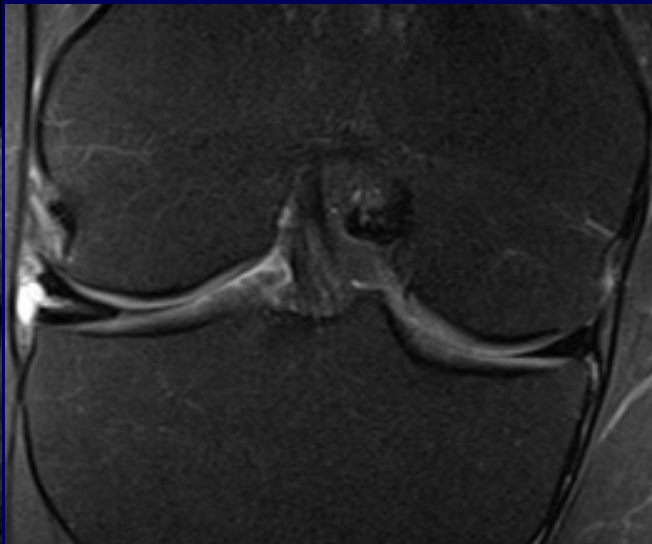
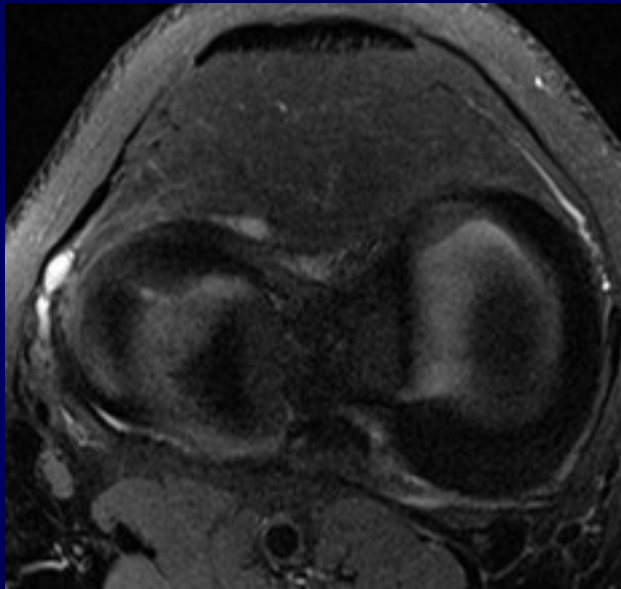


PATOLOGIA MENISCALE

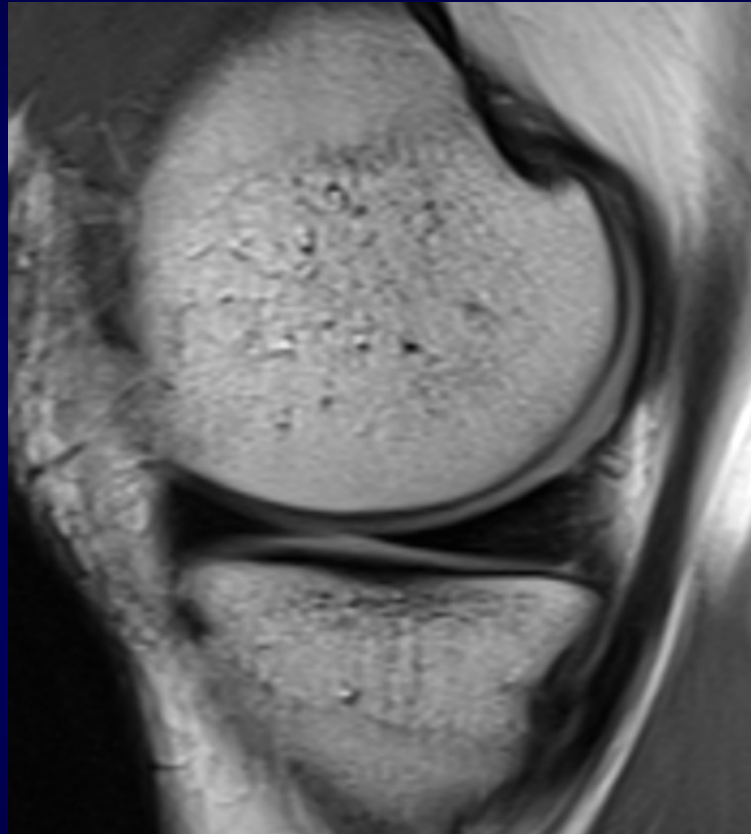
MENISCO DISCOIDE – LESIONE RADIALE



PATOLOGIA MENISCALE



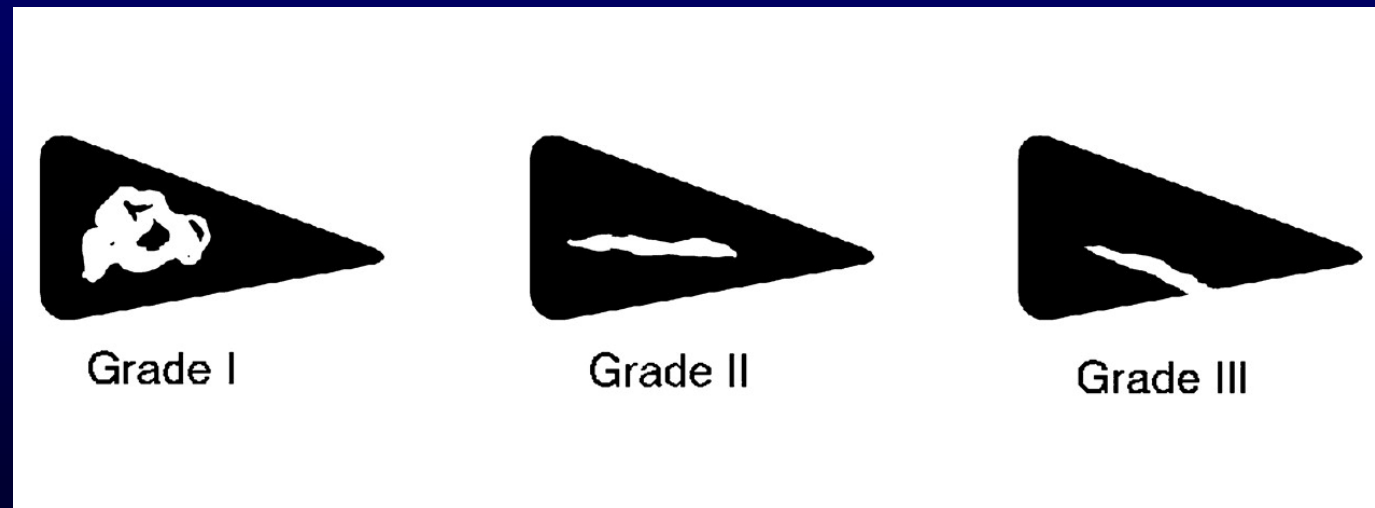
MEGACORNO POSTERIORE MENISCO MEDIALE



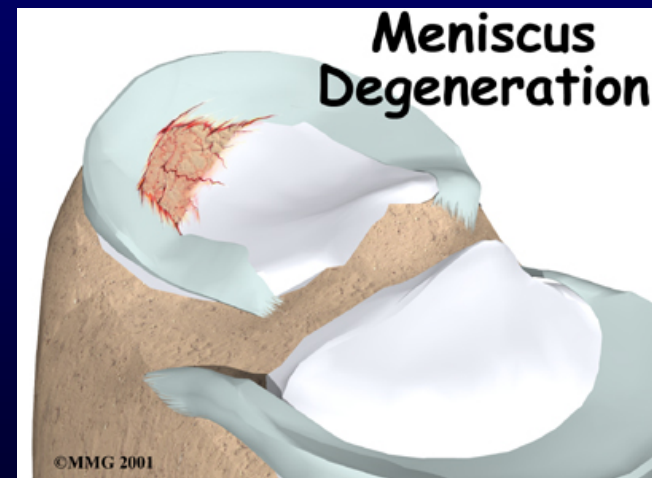
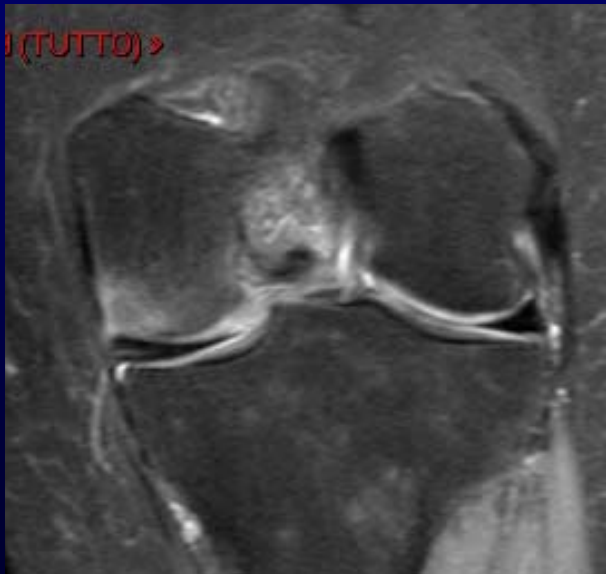
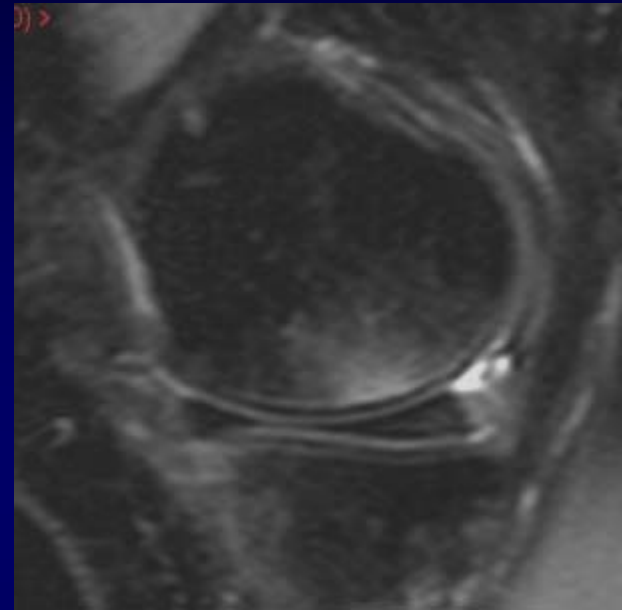
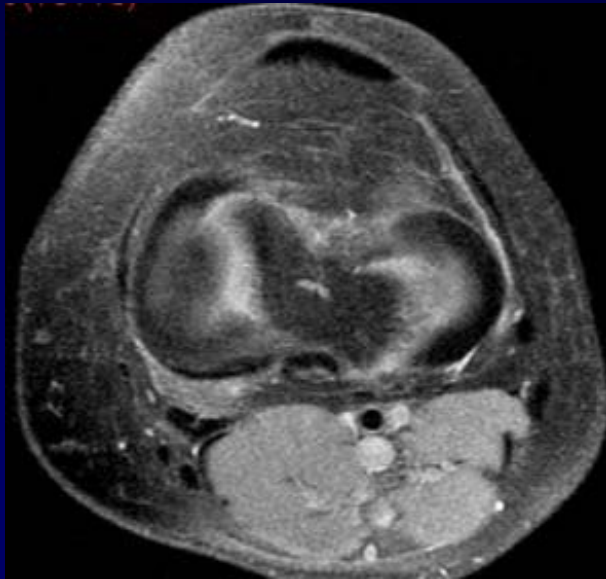
DEGENERAZIONE: DIFFUSA PERDITA DELLA OMOGENEITA' DEL SEGNALE MENISCALE (I)

FISSURAZIONE INTRASOSTANZA: ALTERAZIONE DI SEGNALE DI ELEVATA INTENSITA' CHE NON RAGGIUNGE UN MARGINE MENISCALE (II)

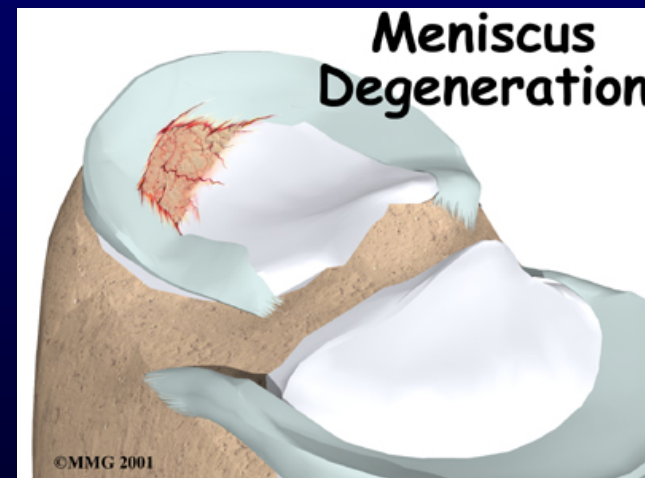
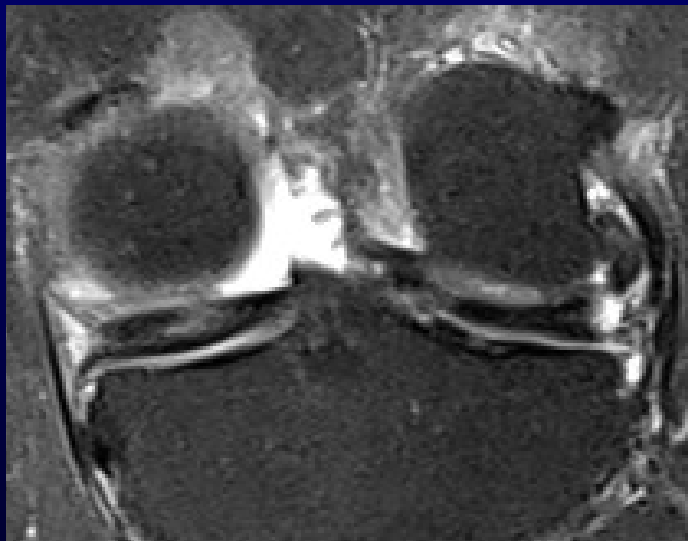
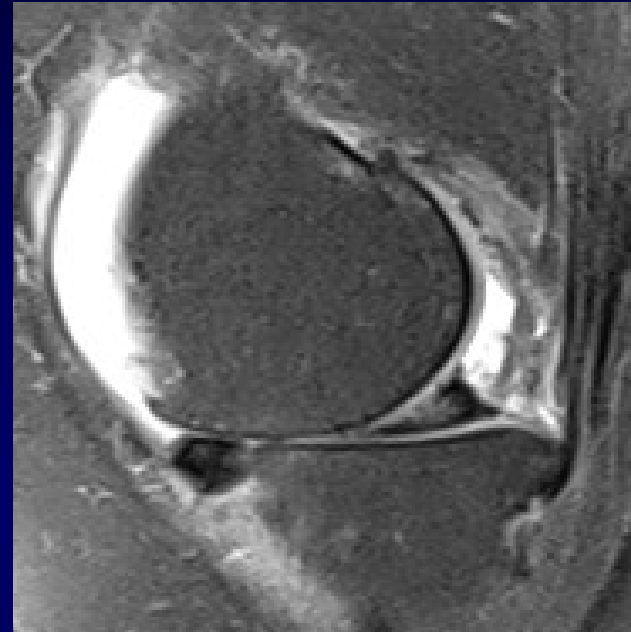
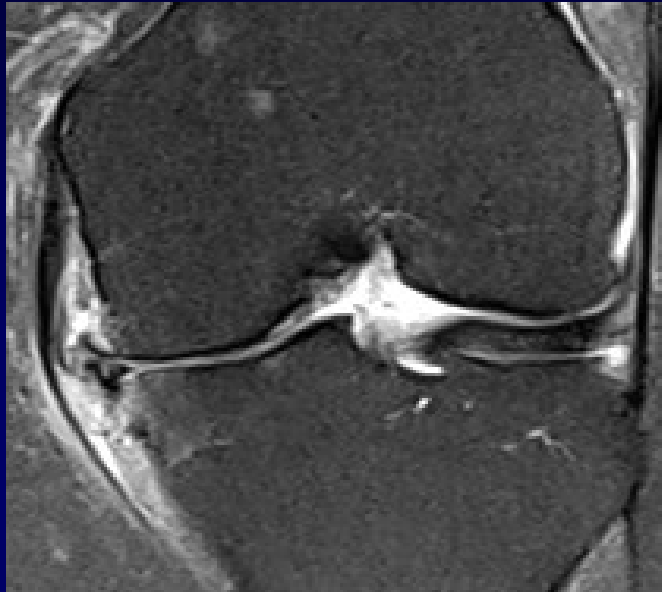
FRATTURA: RIMA DI ELEVATA INTENSITA' CHE INTERESSA ALMENO UN MARGINE MENISCALE (III)



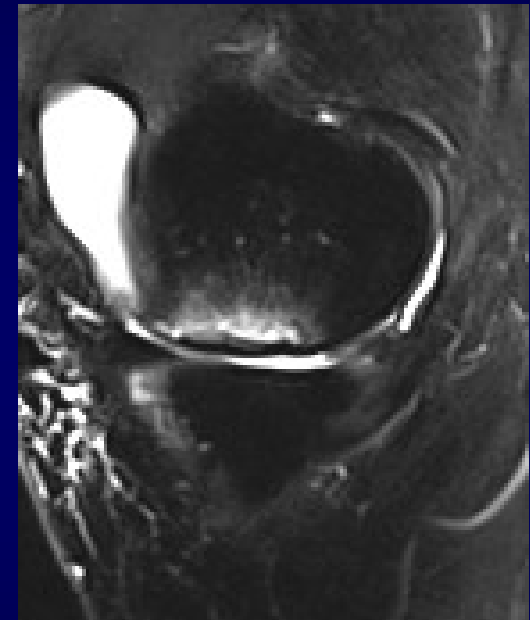
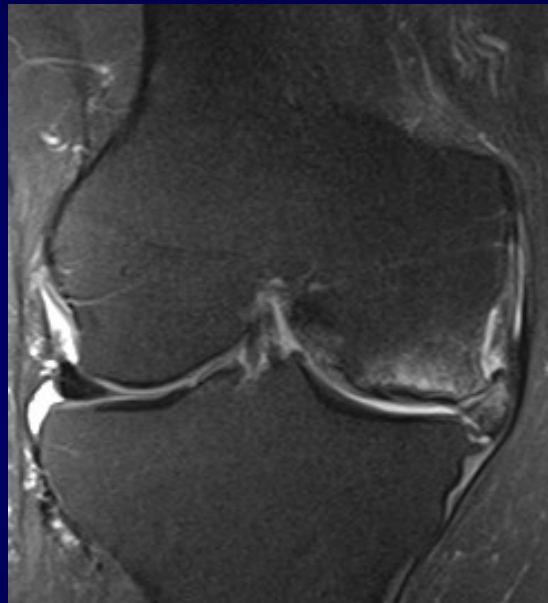
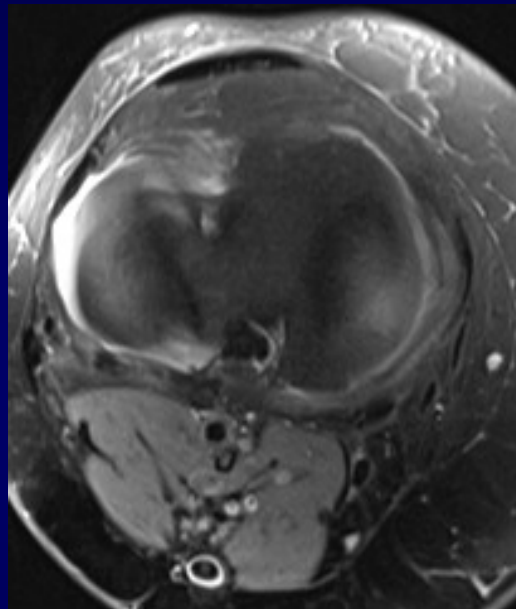
Degenerazione Meniscale



Degenerazione Meniscale



Degenerazione Meniscale

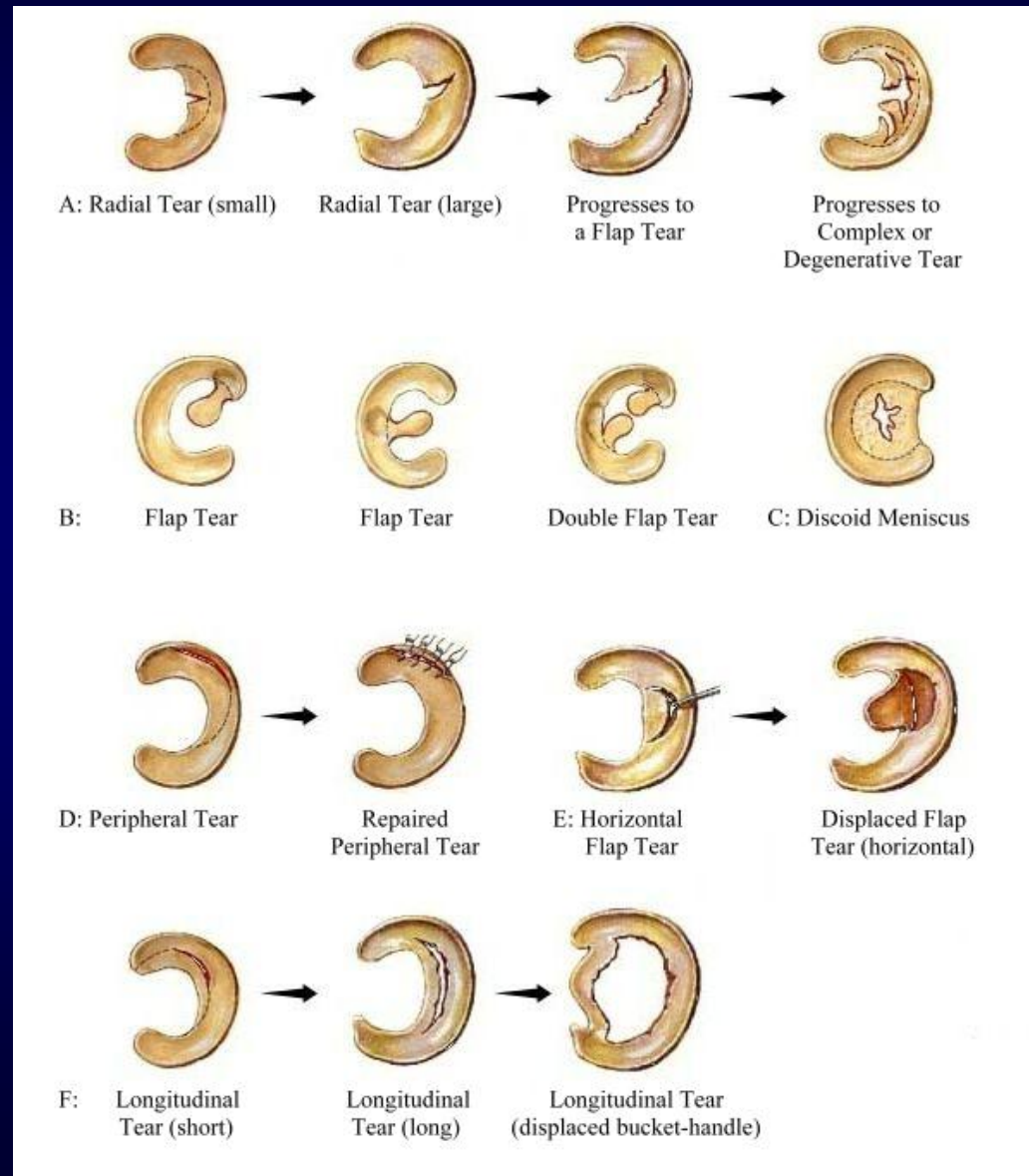


Lesione degenerativa e osteocondrite

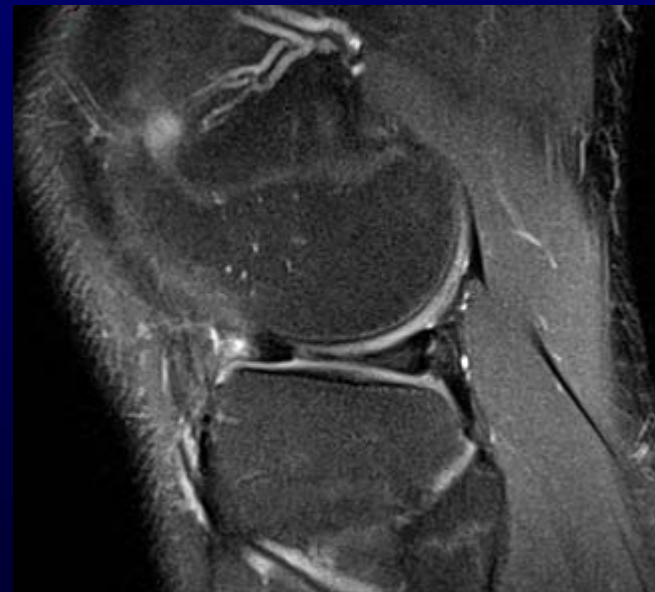
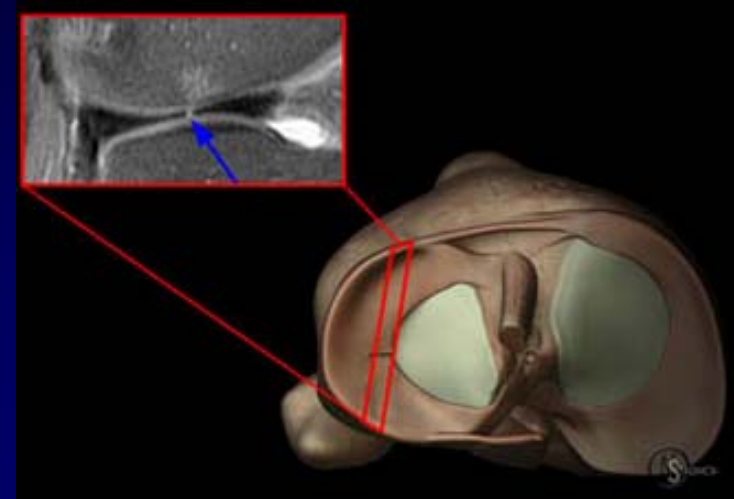
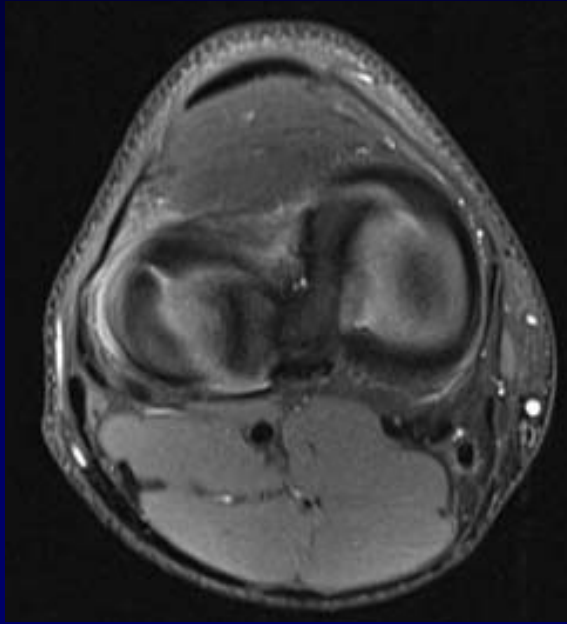
CLASSIFICAZIONE DELLE FRATTURE MENISCALI

- SEDE: CORPO, CORNO ANTERIORE O POSTERIORE
- ESTENSIONE: PARZIALE O A TUTTO SPESSORE
- DECORSO: LONGITUDINALE, RADIALE, COMPLESSO
- ORIENTAMENTO: VERTICALE, ORIZZONTALE, OBLIQUO
- POSIZIONE: PERIFERICA, CENTRALE, GIUNZIONALE
- SENZA O CON FLAP MOBILI (LUNGHEZZA)

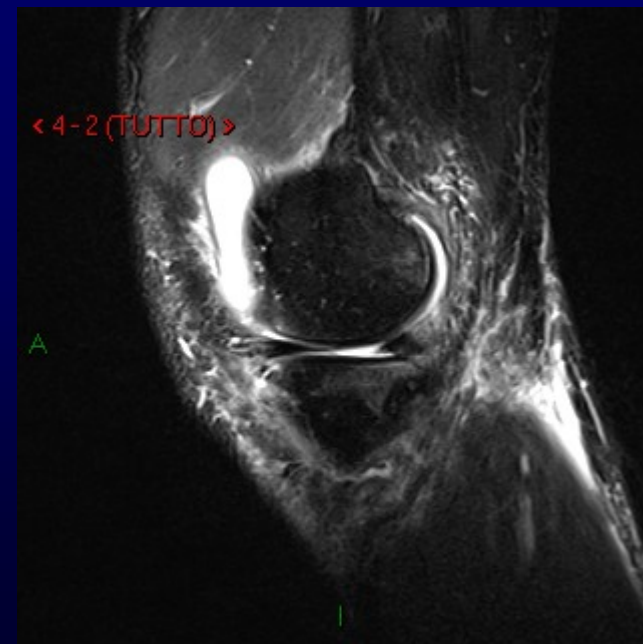
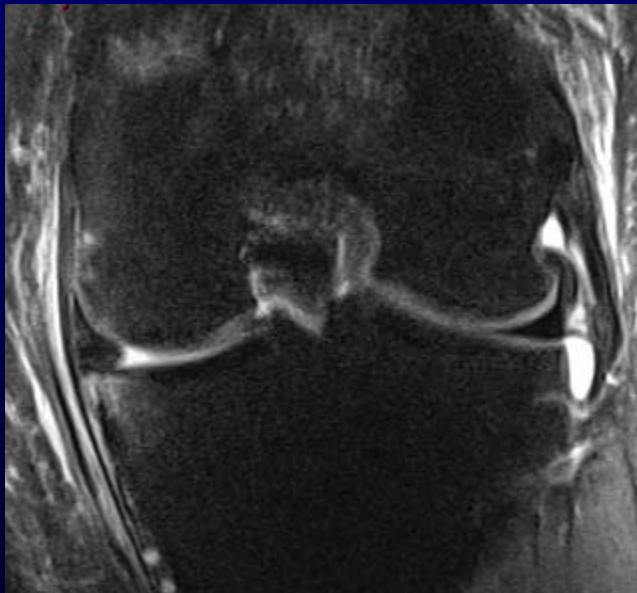
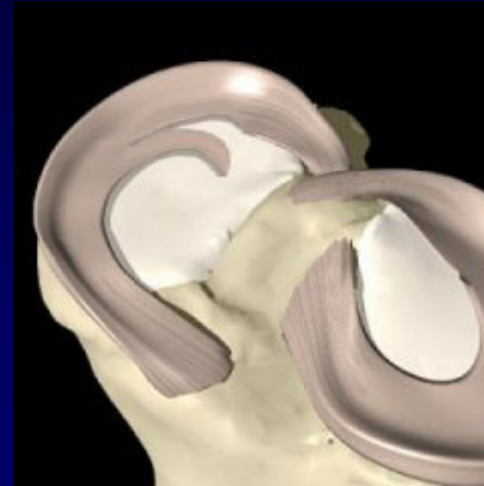
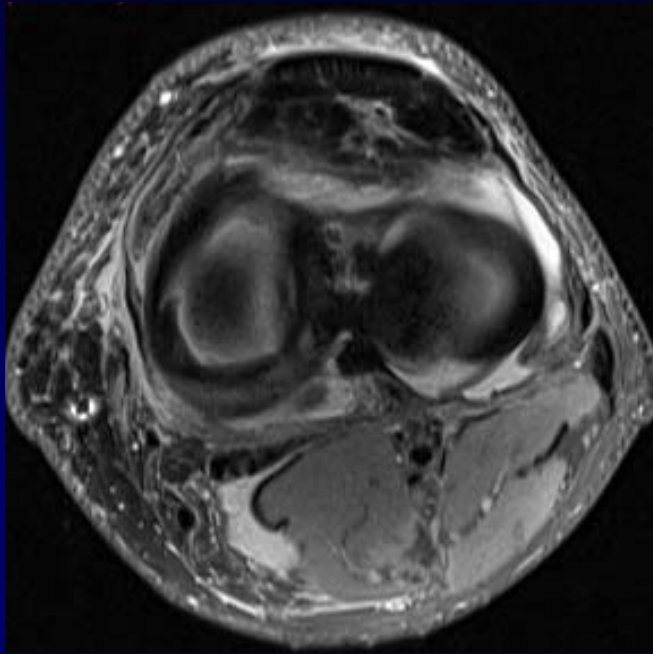
CLASSIFICAZIONE DELLE FRATTURE MENISCALI



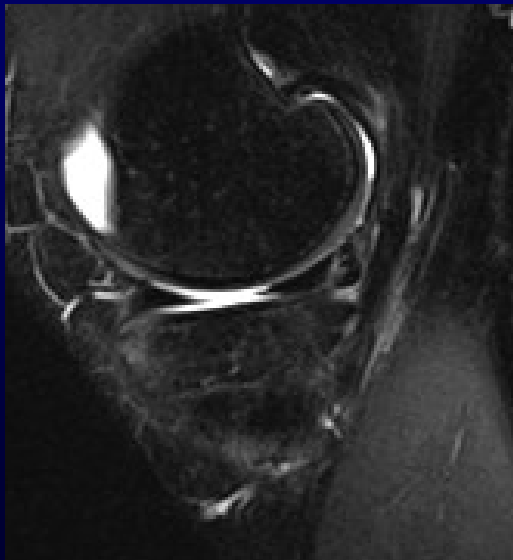
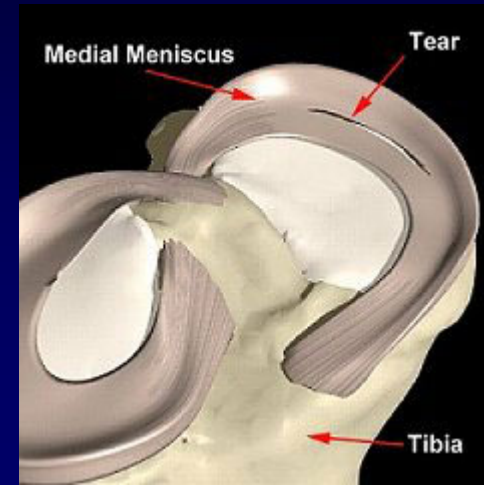
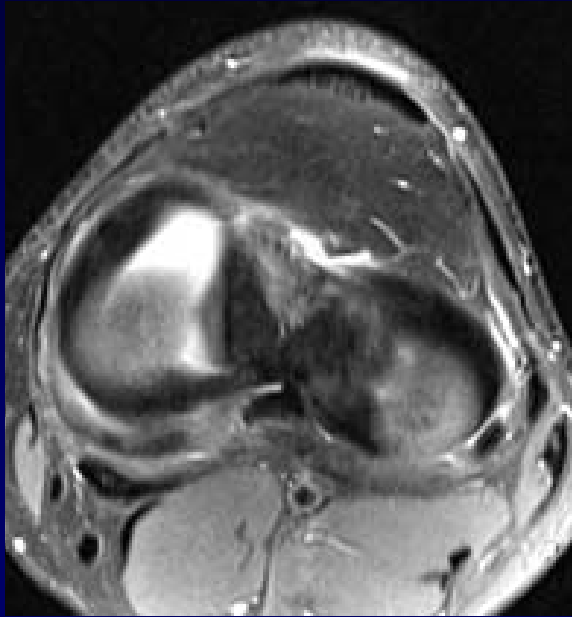
FRATTURE MENISCALI



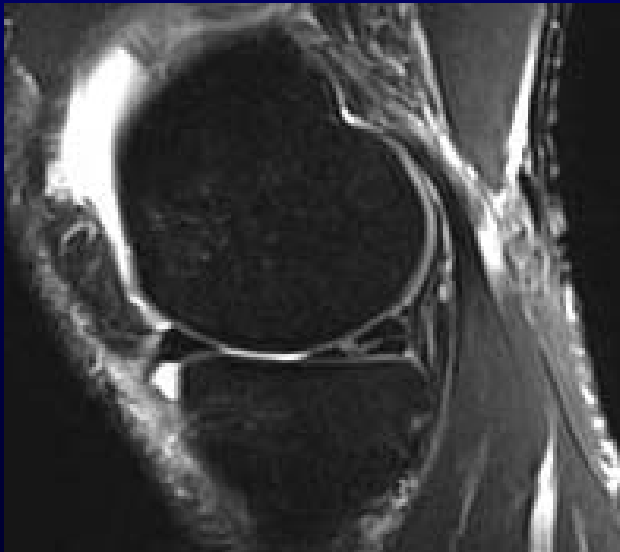
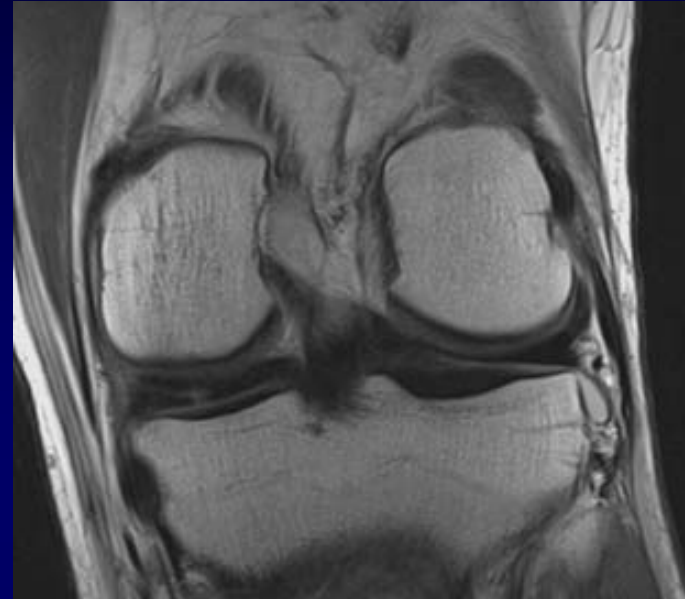
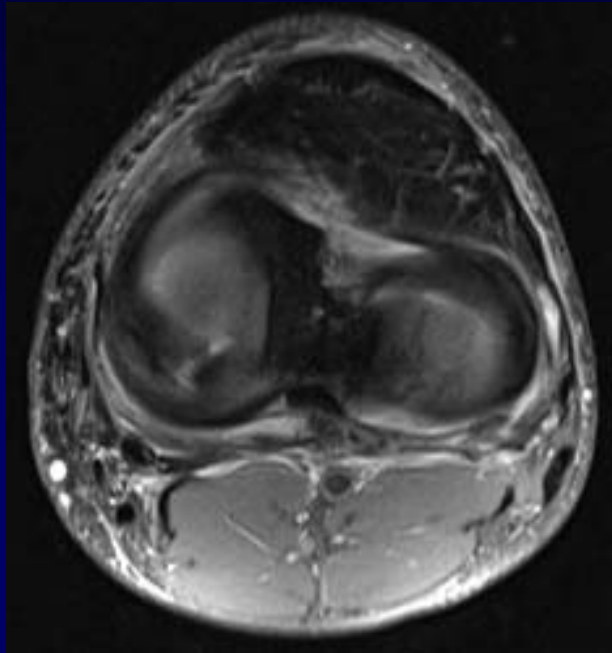
FRATTURE MENISCALI



CLASSIFICAZIONE DELLE FRATTURE MENISCALI

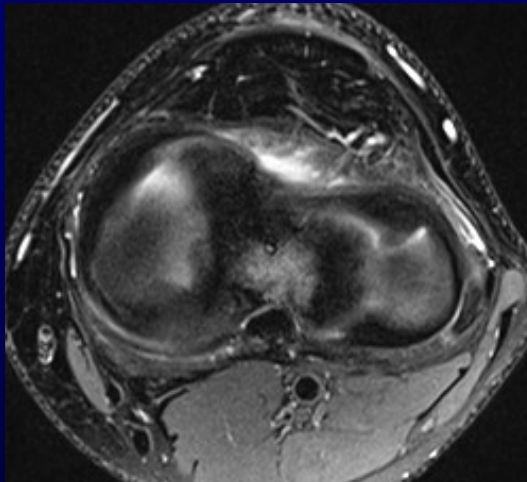
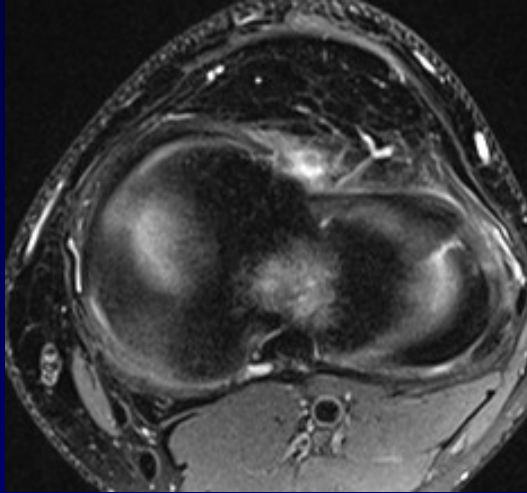


CLASSIFICAZIONE DELLE FRATTURE MENISCALI

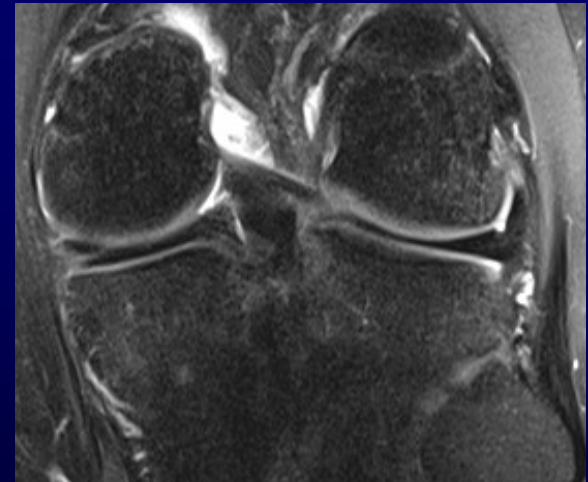
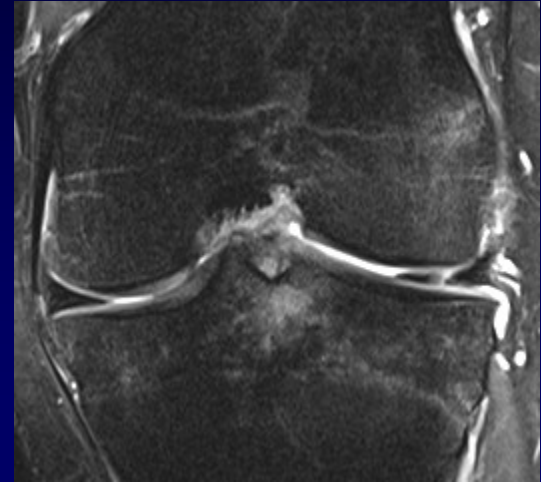


Lesione complessa
trasversale e radiale

CLASSIFICAZIONE DELLE FRATTURE MENISCALI



Lesione doppia

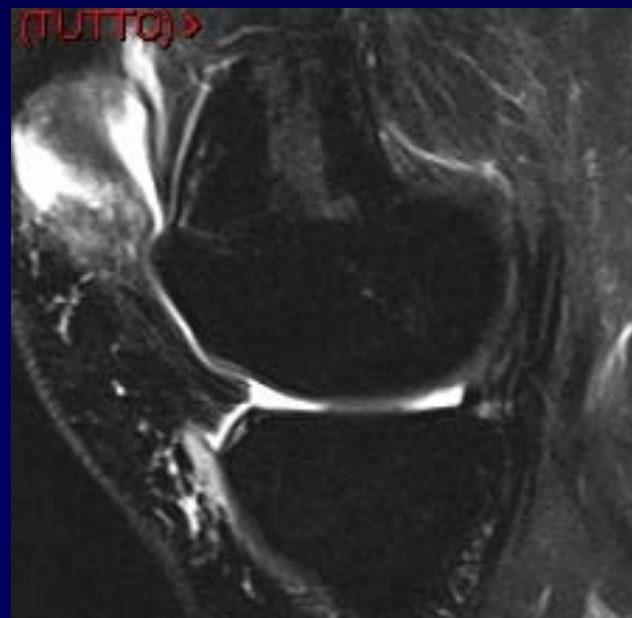
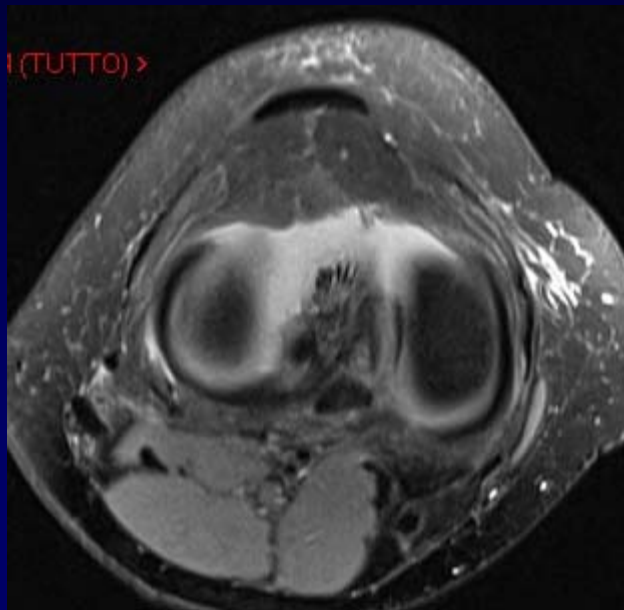


CLASSIFICAZIONE DELLE FRATTURE MENISCALI



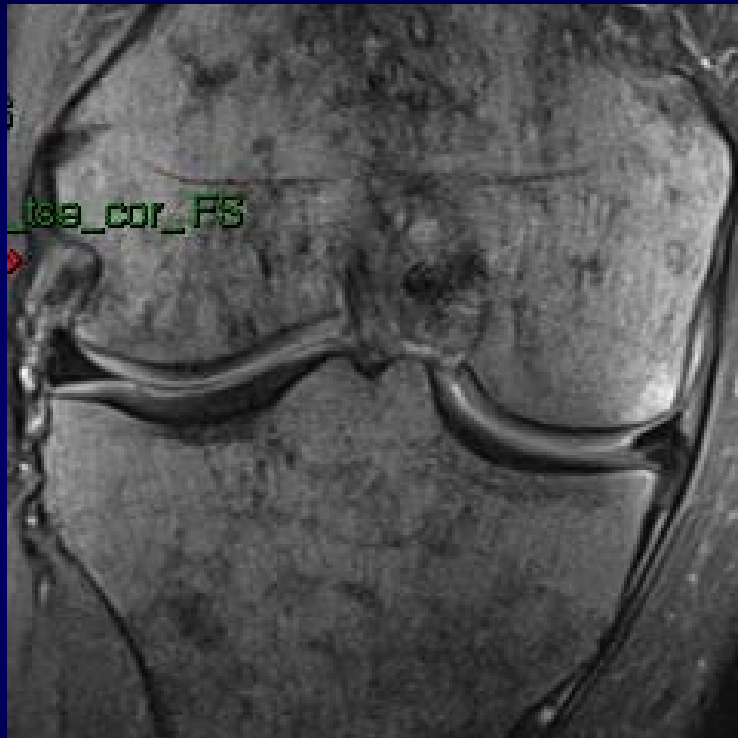
Nuova lesione su menisco operato

FRATTURE MENISCALI



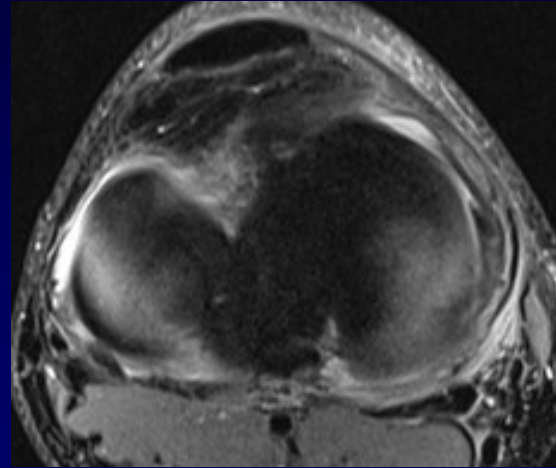
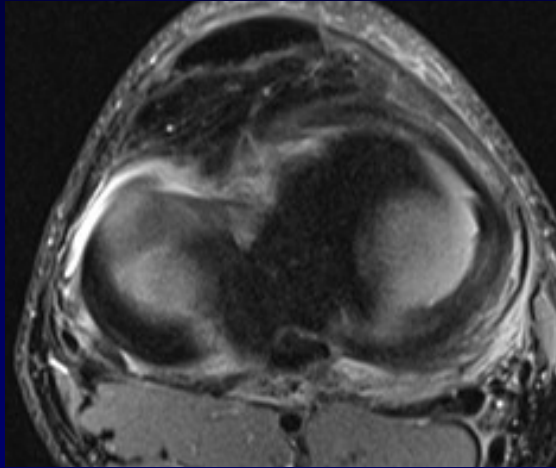
Lesione con flap interno

CLASSIFICAZIONE DELLE FRATTURE MENISCALI

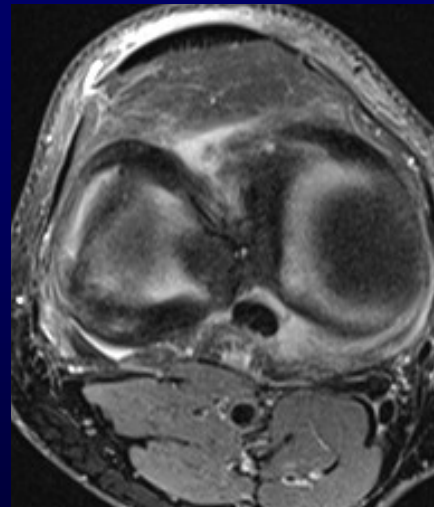
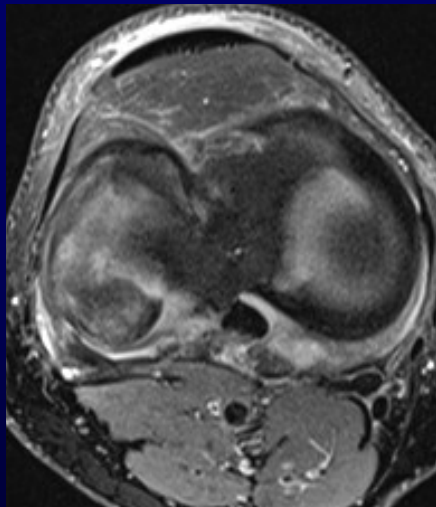
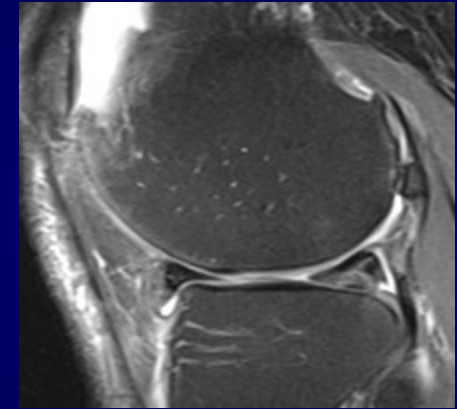
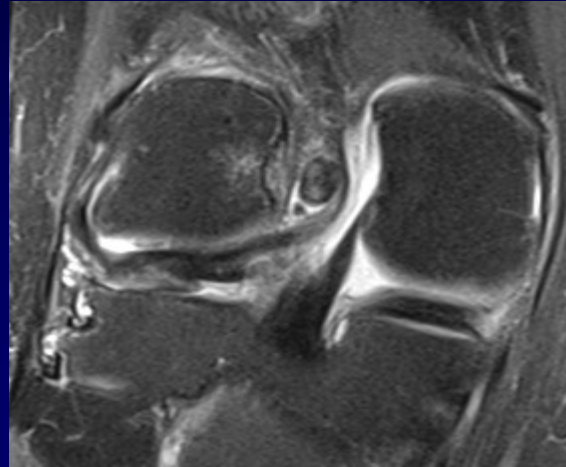
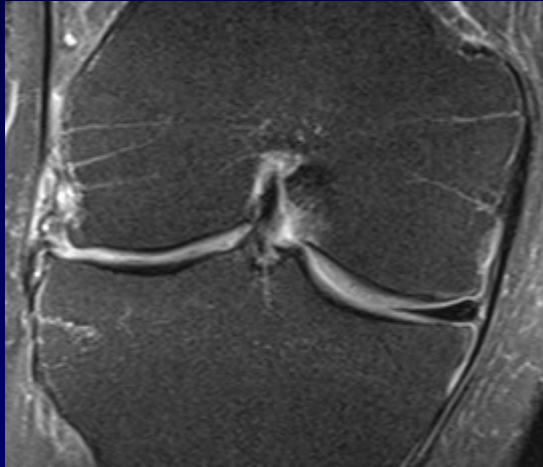


Lesione complessa con flap esterno

CLASSIFICAZIONE DELLE FRATTURE MENISCALI

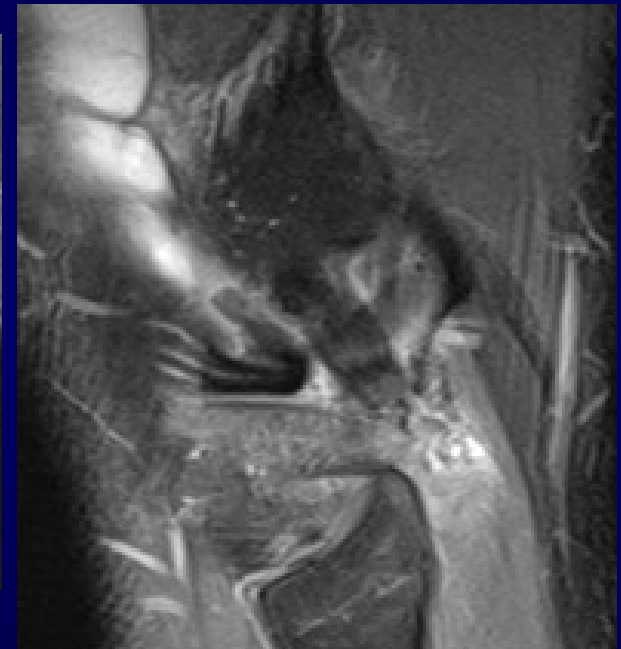
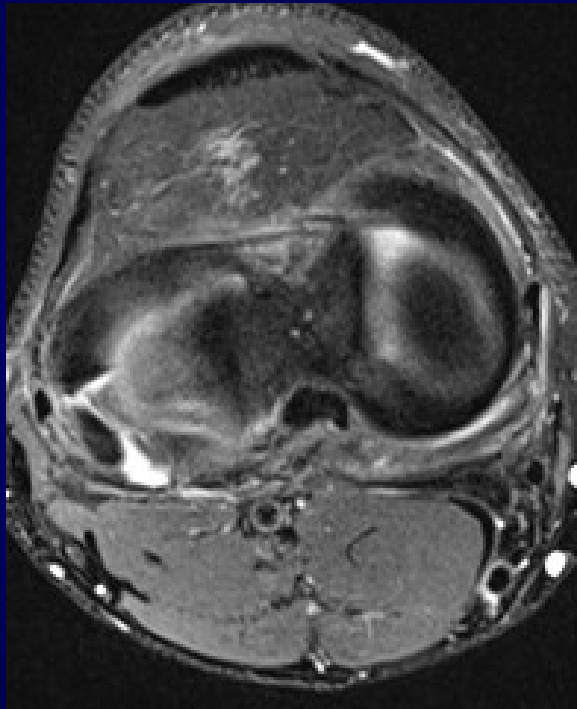


CLASSIFICAZIONE DELLE FRATTURE MENISCALI



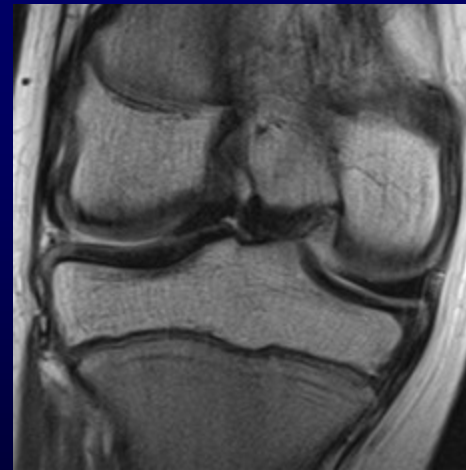
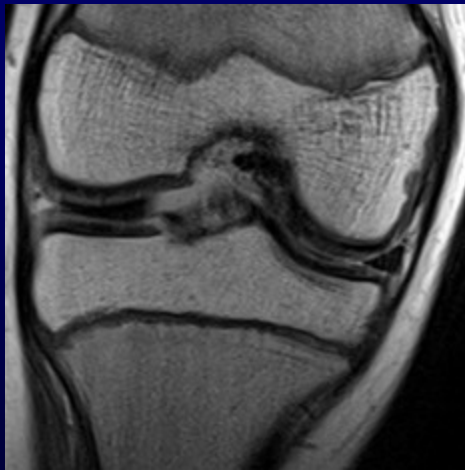
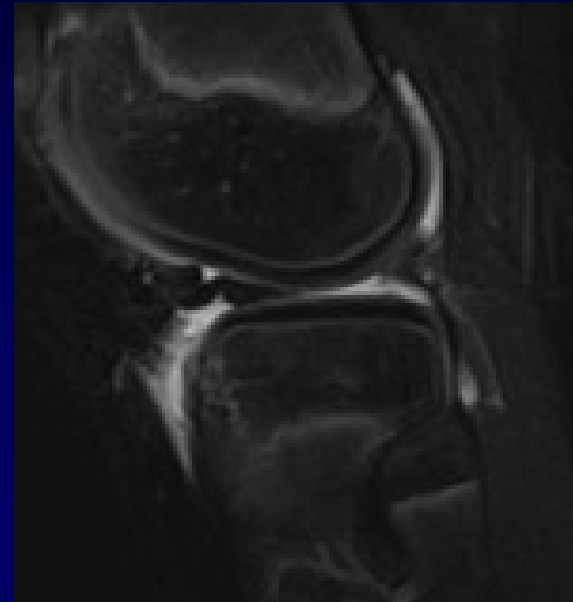
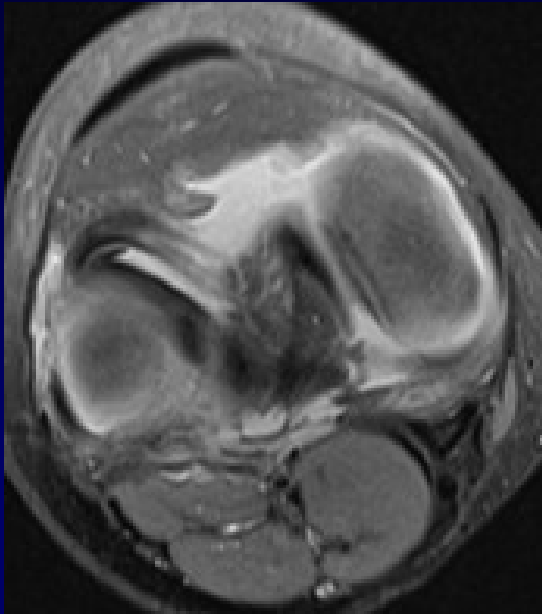
Lesione complessa - flap ribaltato posteriormente

CLASSIFICAZIONE DELLE FRATTURE MENISCALI



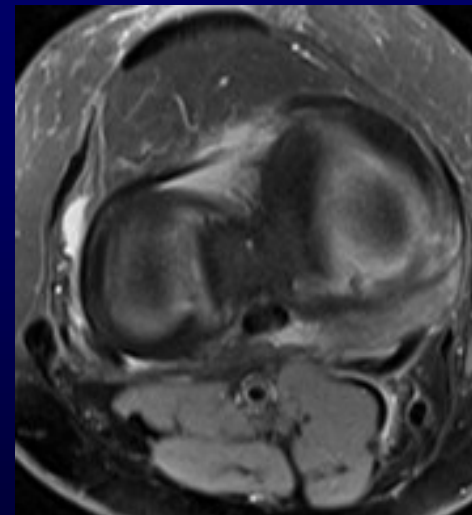
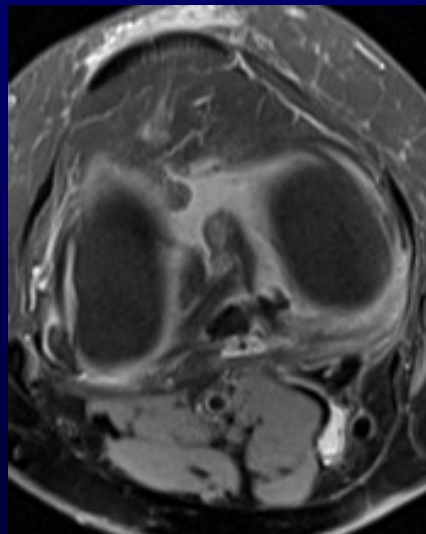
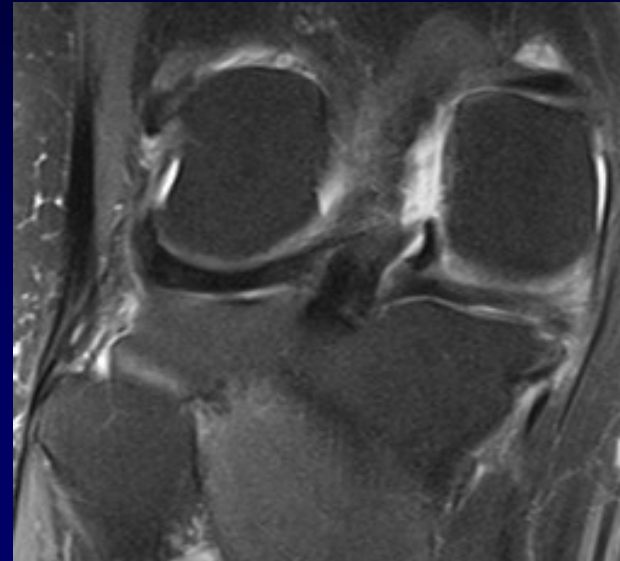
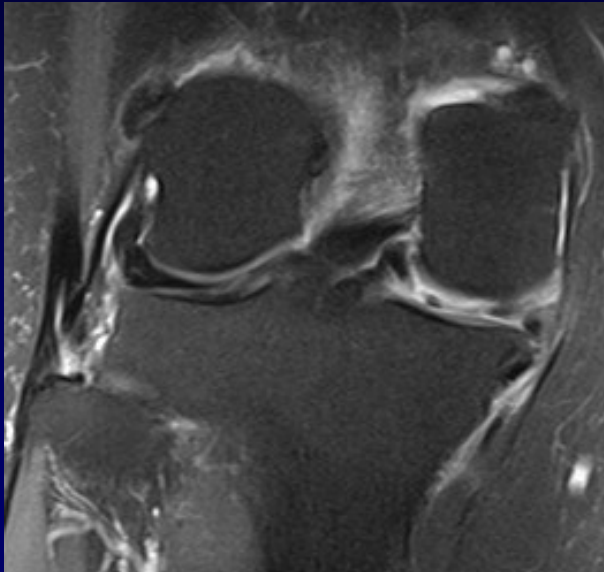
Menisco strappato e ribaltato anteriormente

CLASSIFICAZIONE DELLE FRATTURE MENISCALI



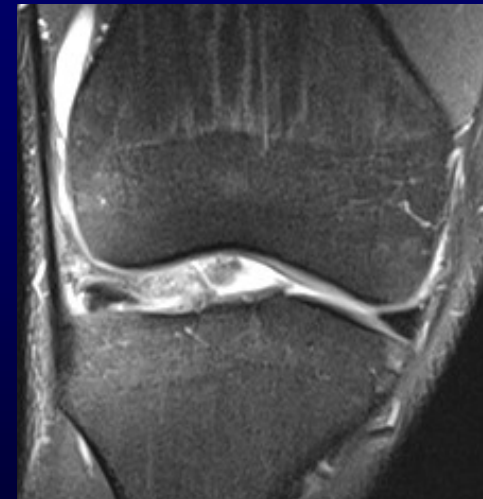
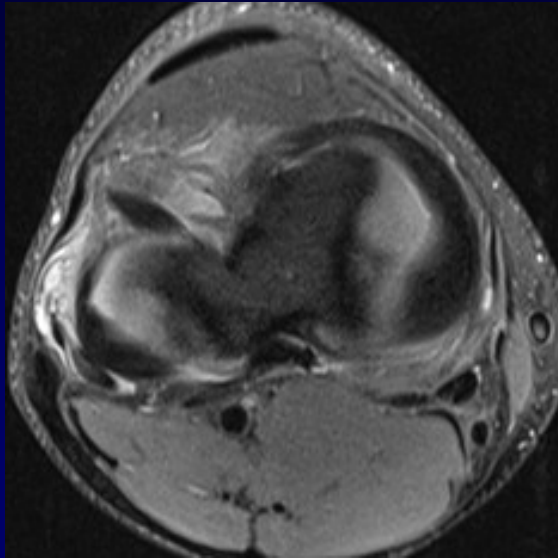
Lesione complessa- flap ribaltato antero-medialmente

CLASSIFICAZIONE DELLE FRATTURE MENISCALI



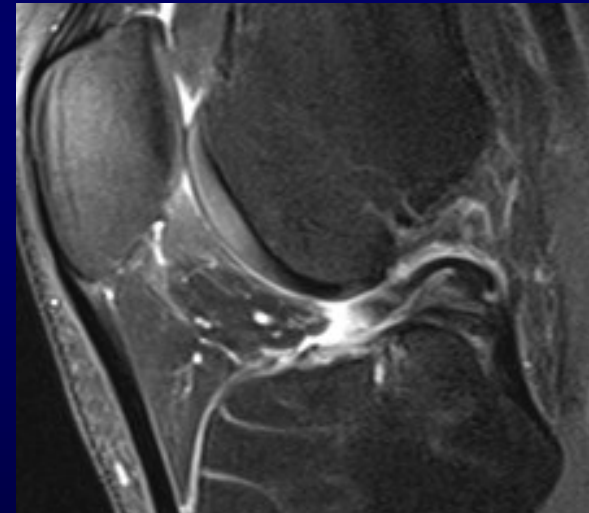
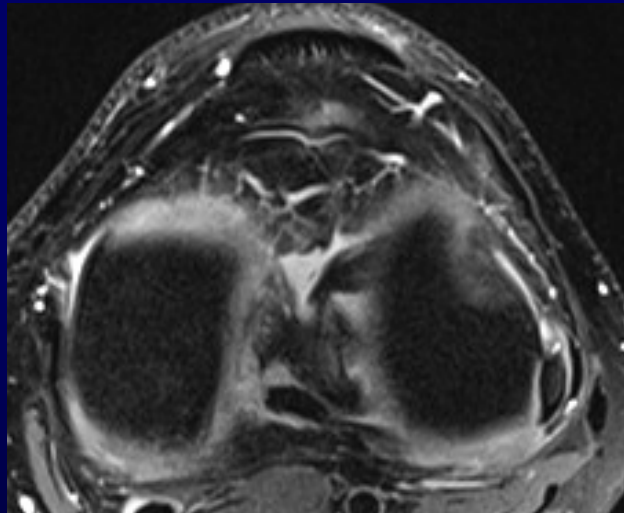
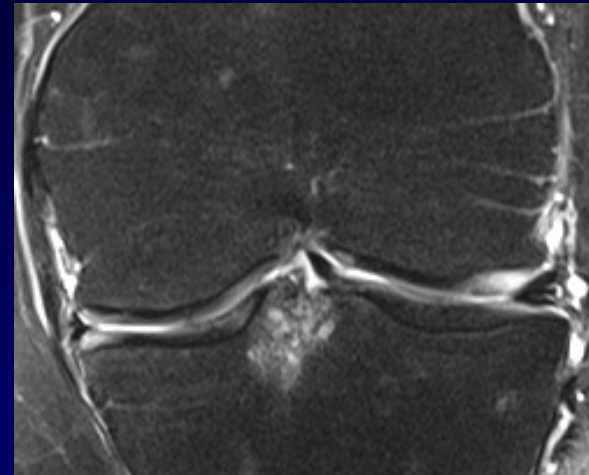
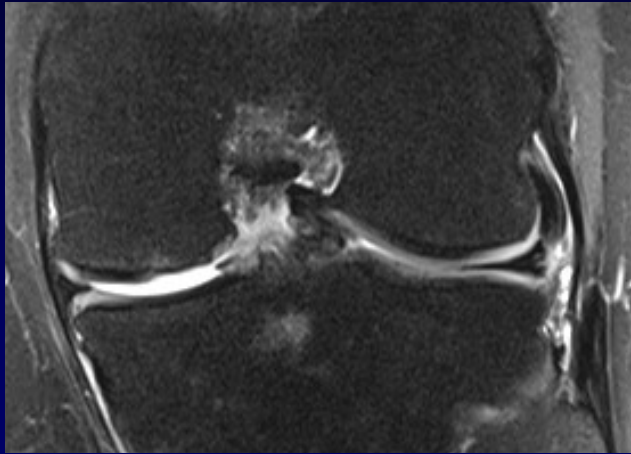
Lesione multiflap

CLASSIFICAZIONE DELLE FRATTURE MENISCALI



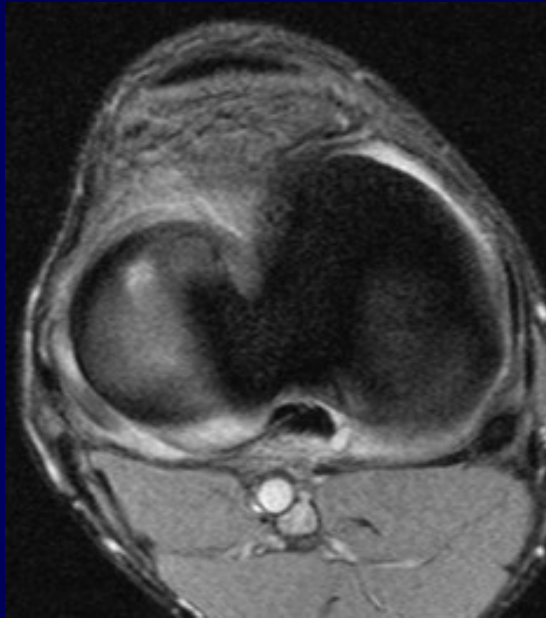
Lesione con flap

CLASSIFICAZIONE DELLE FRATTURE MENISCALI



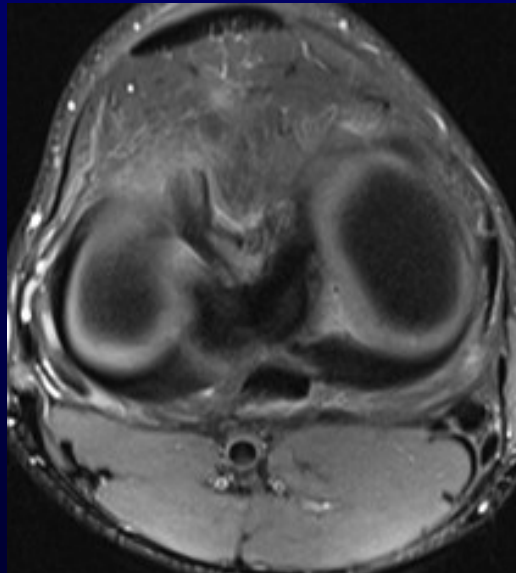
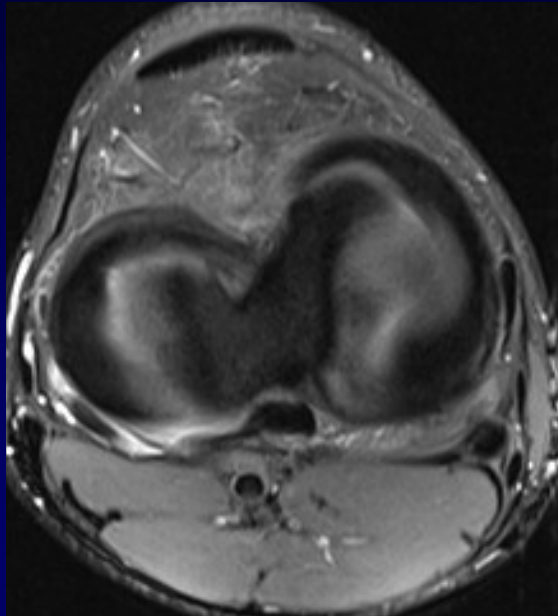
Manico di secchio doppio

CLASSIFICAZIONE DELLE FRATTURE MENISCALI

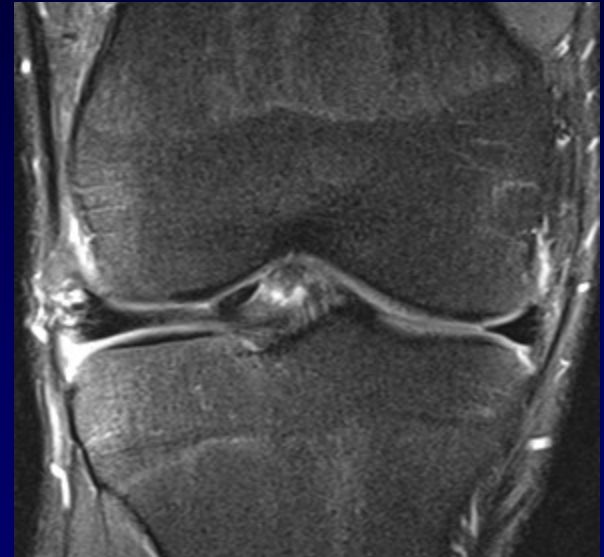


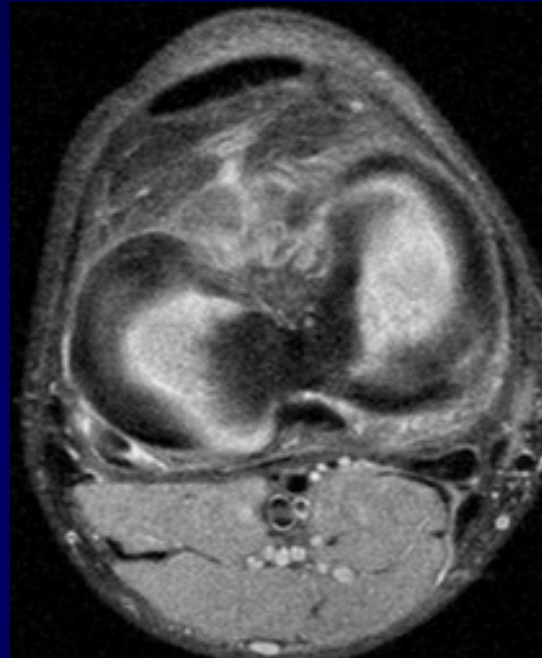
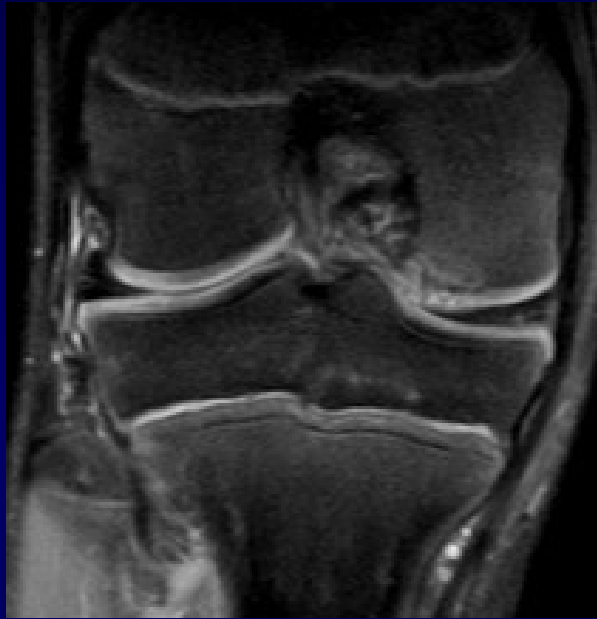
Prima...

CLASSIFICAZIONE DELLE FRATTURE MENISCALI

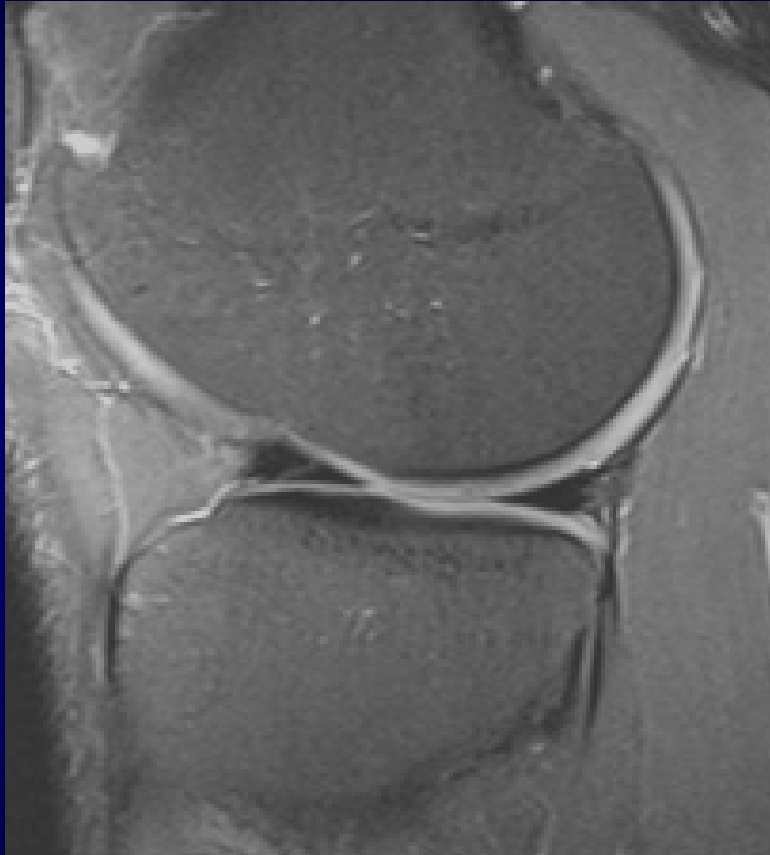


Dopo...

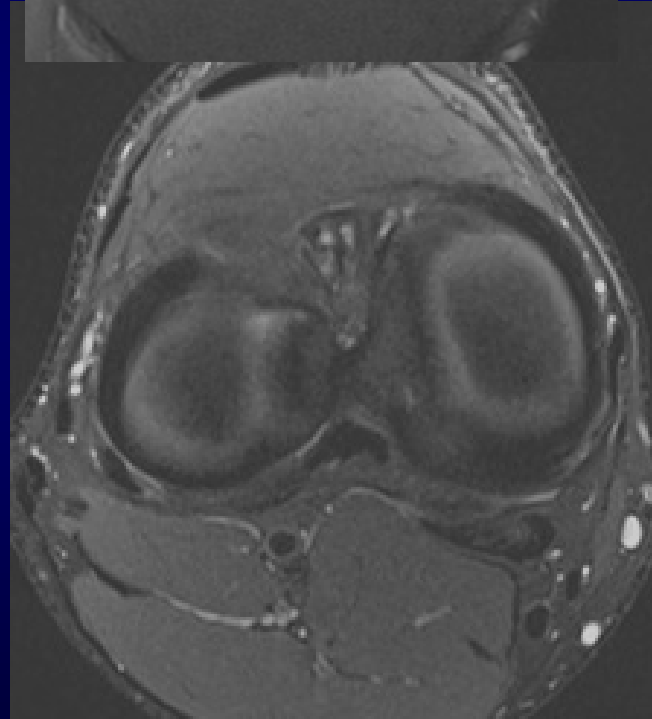
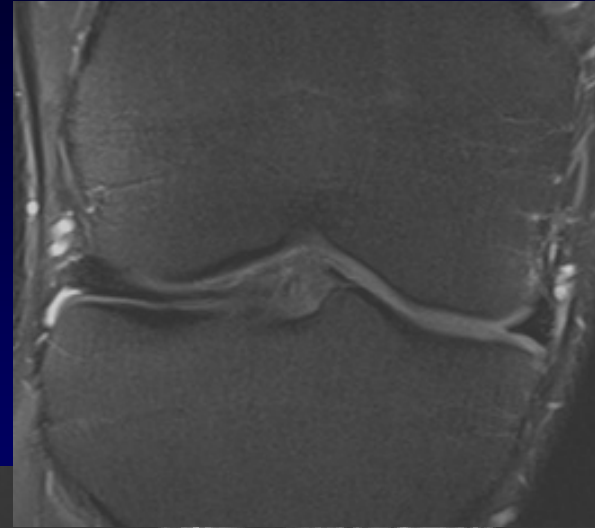


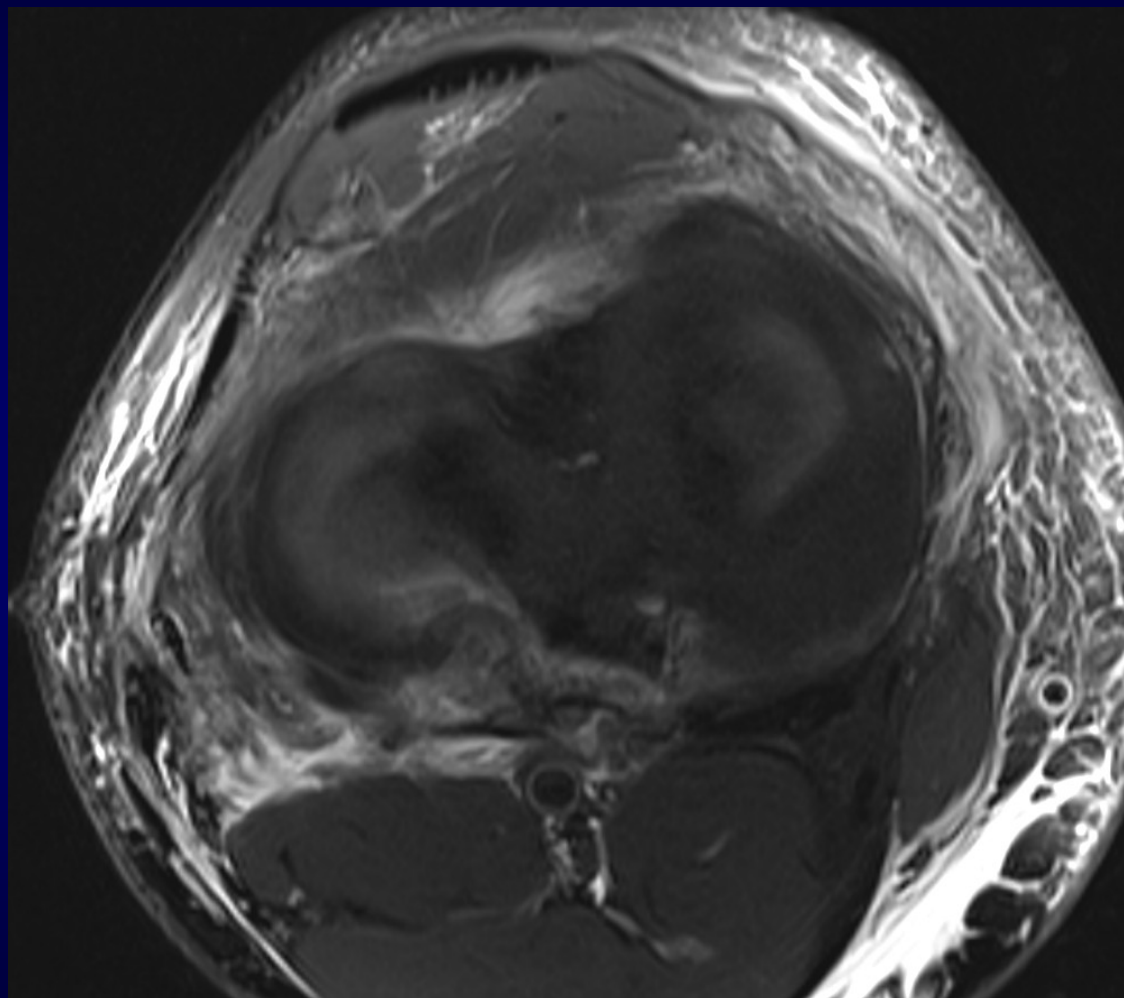


Lesione?

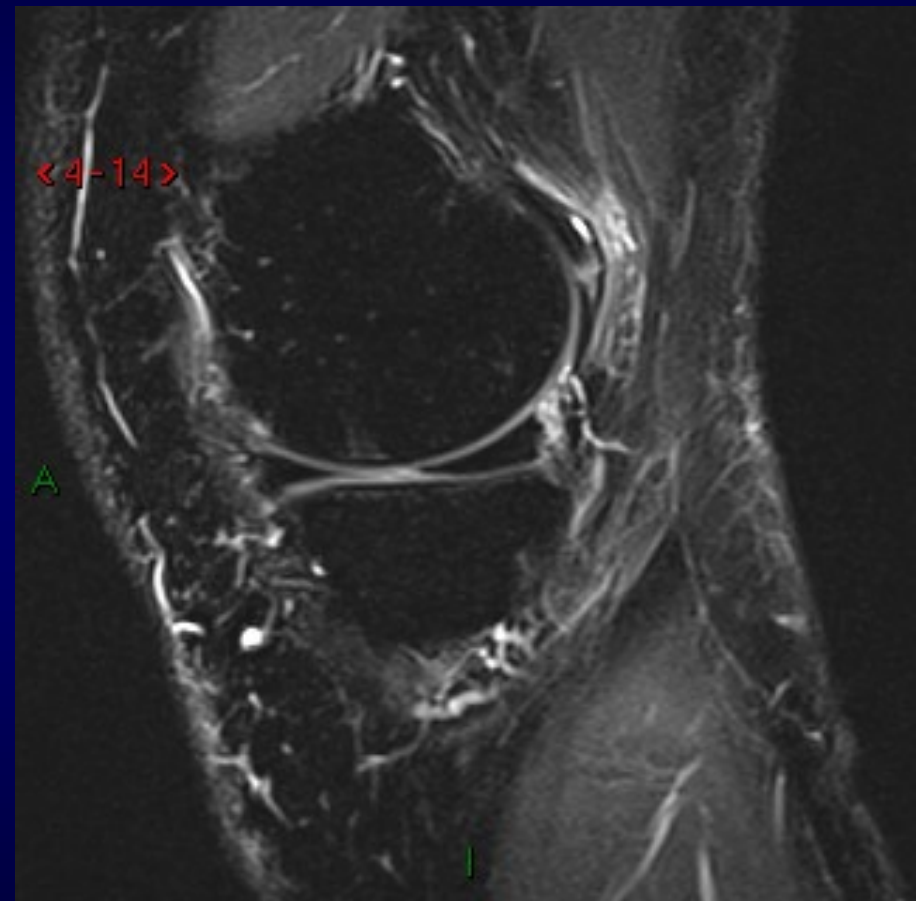
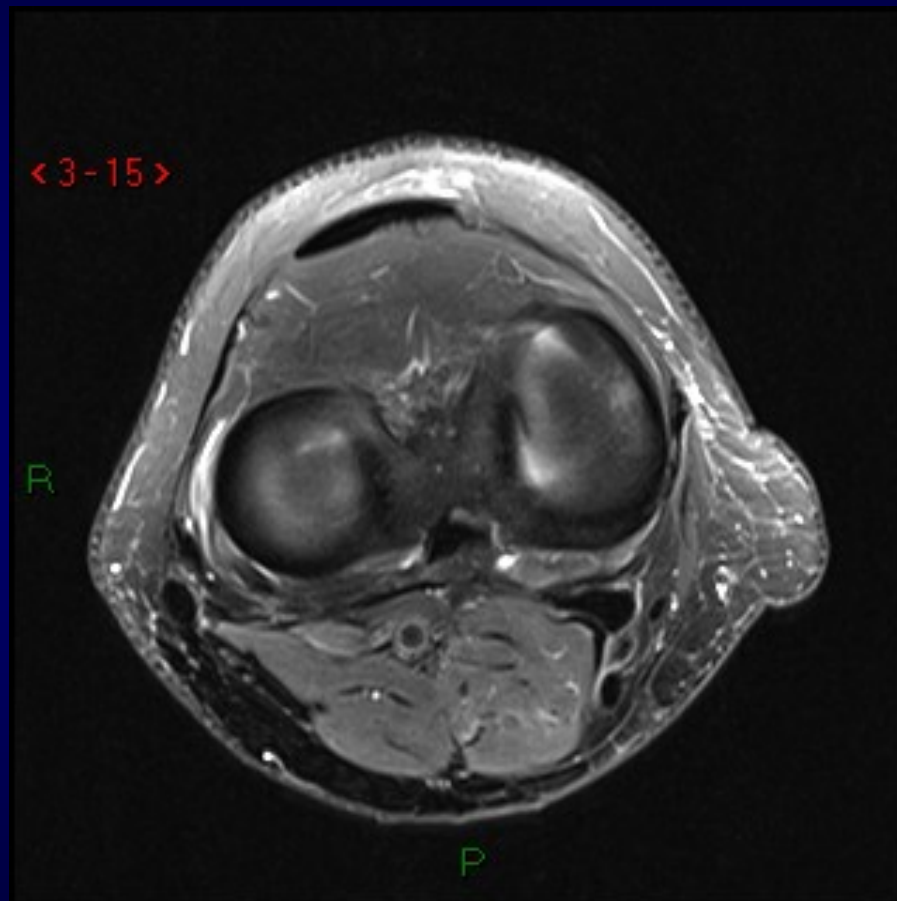


Lesione?

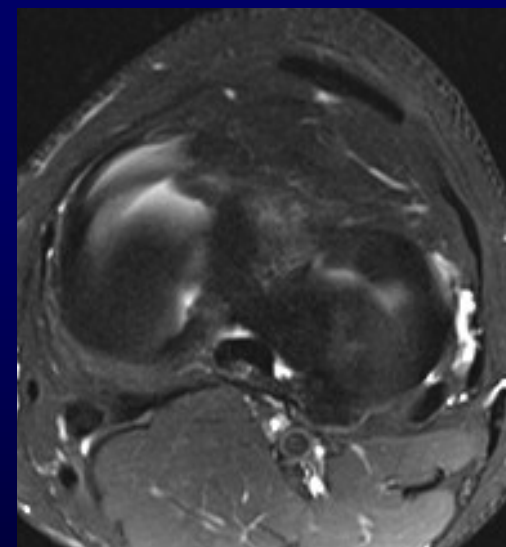
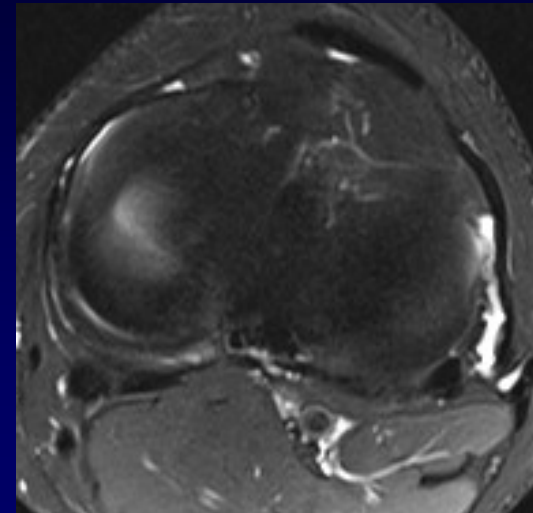




Distacco menisco-capsulare postero-esterno



Disinserzione menisco-capsulare postero-mediale



Distacco menisco capsulare cicatrizzato

PATOLOGIA MENISCALE

PATOLOGIA CISTICA

Menisco laterale (frequente)

Menisco mediale (rara)

Patogenesi:

Lesioni traumatiche (forze compressive/tangenziali)

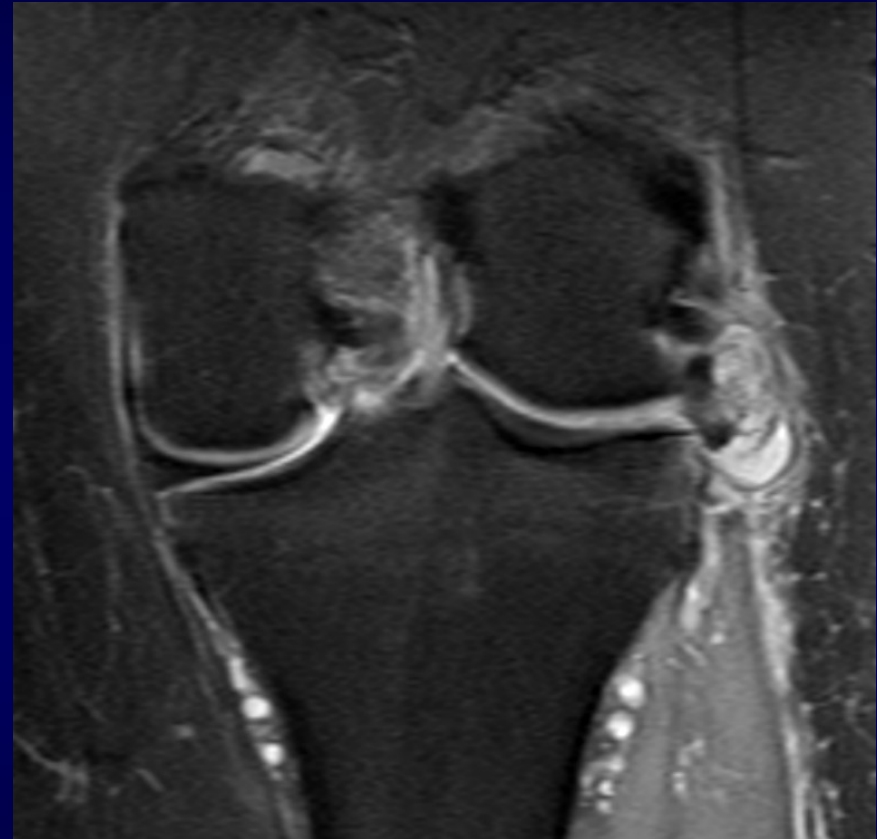
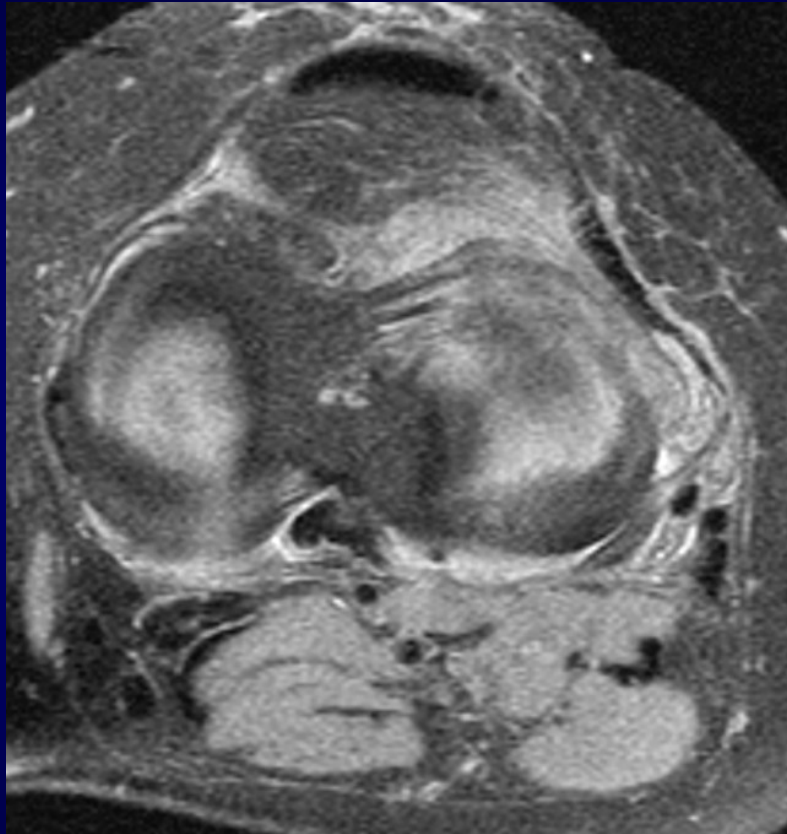


Necrosi avascolare



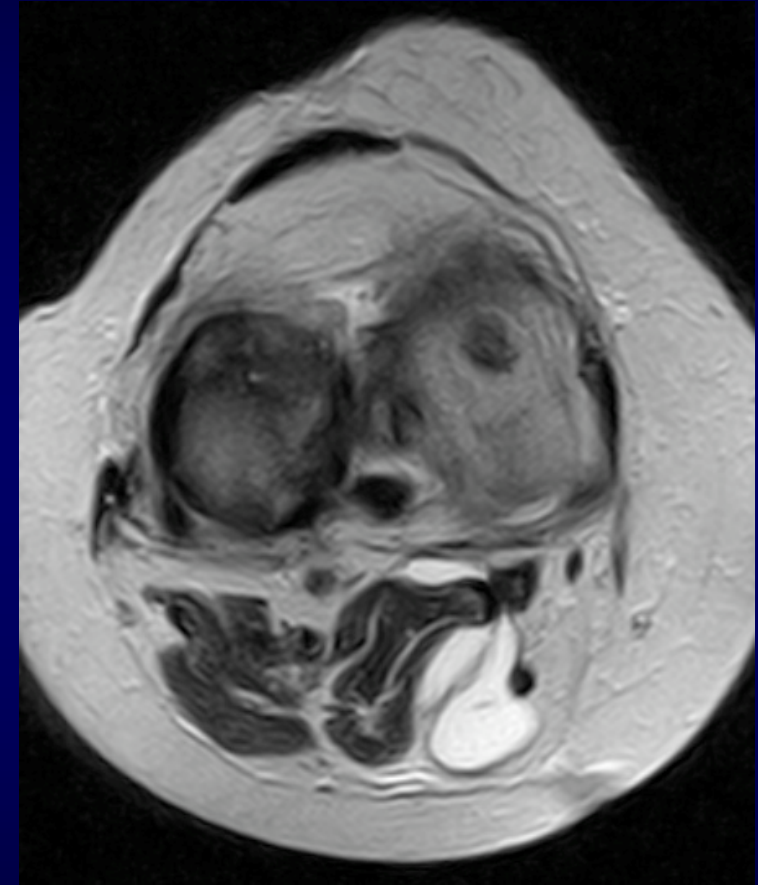
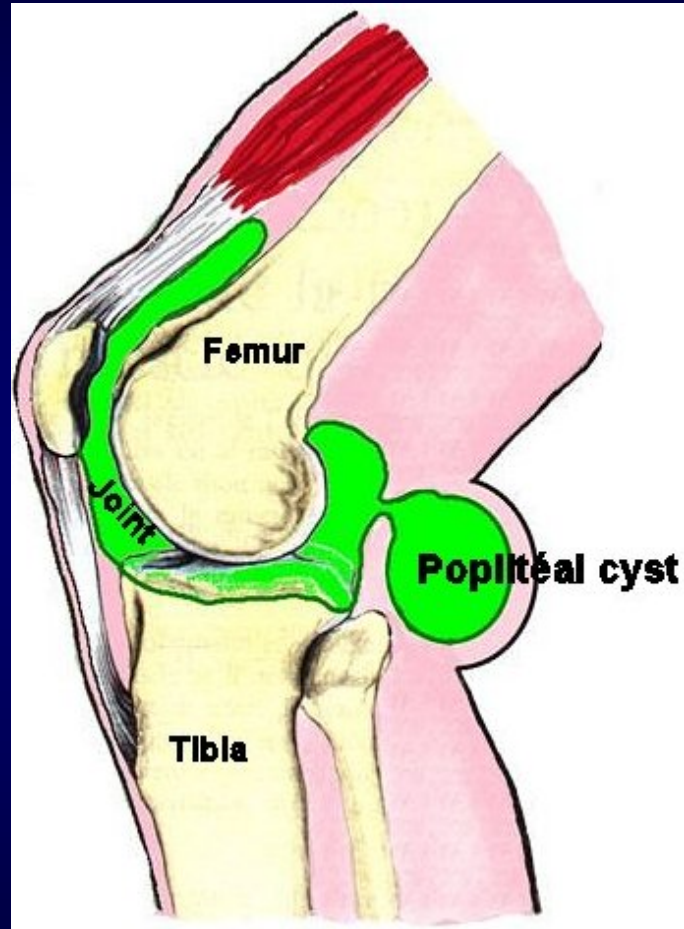
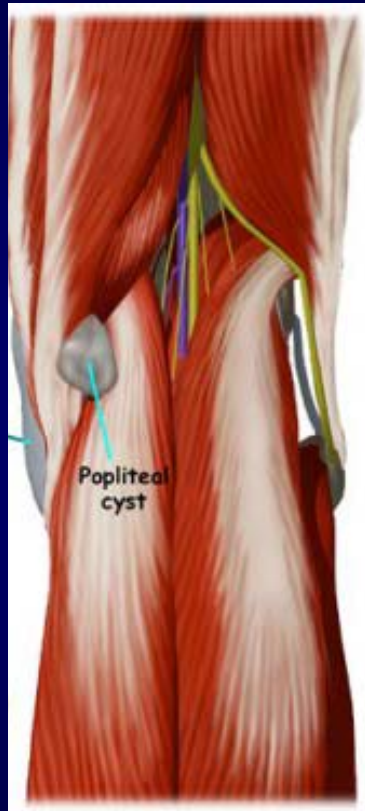
Degenerazione mucoide

PATOLOGIA MENISCALE

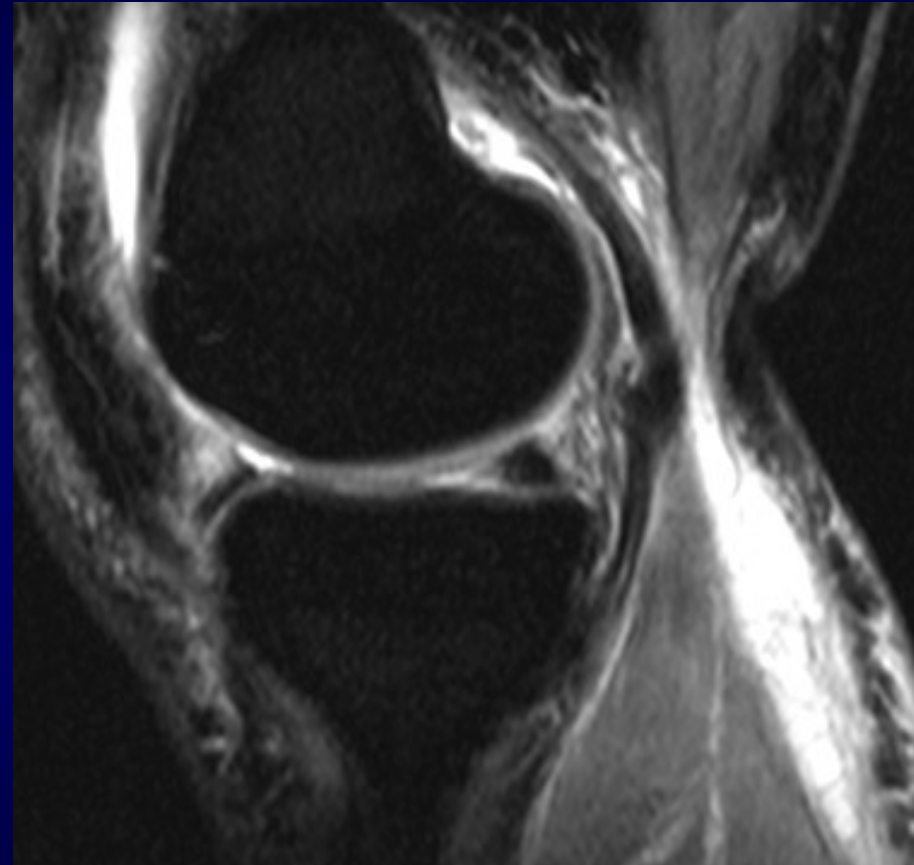
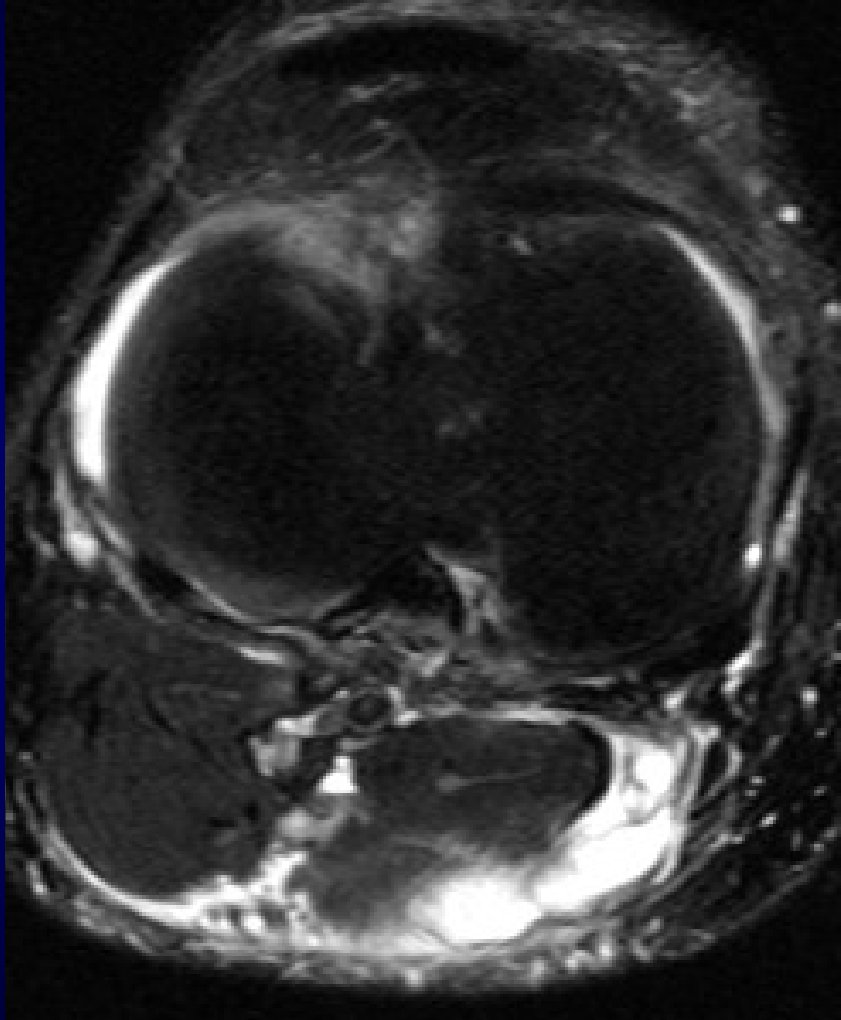


Cisti parameniscale

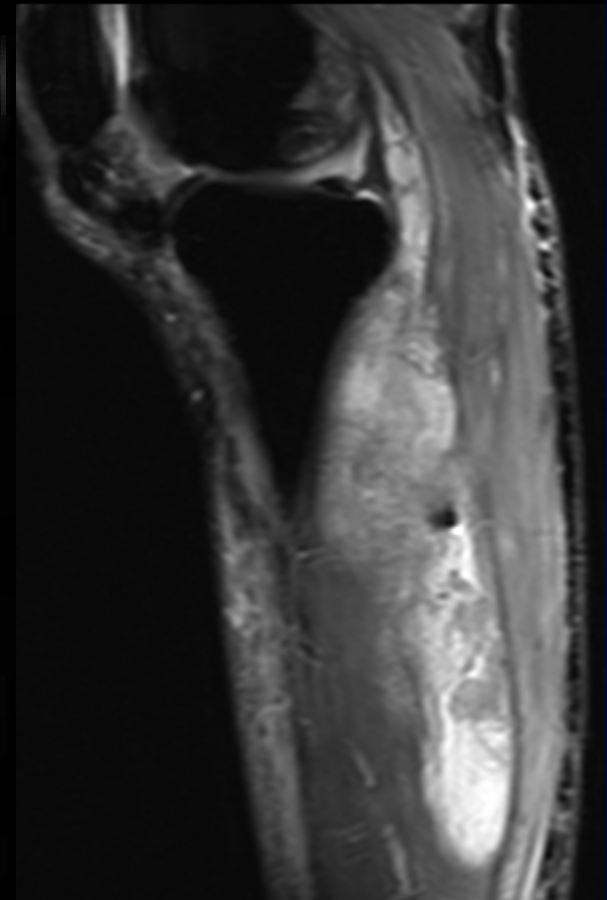
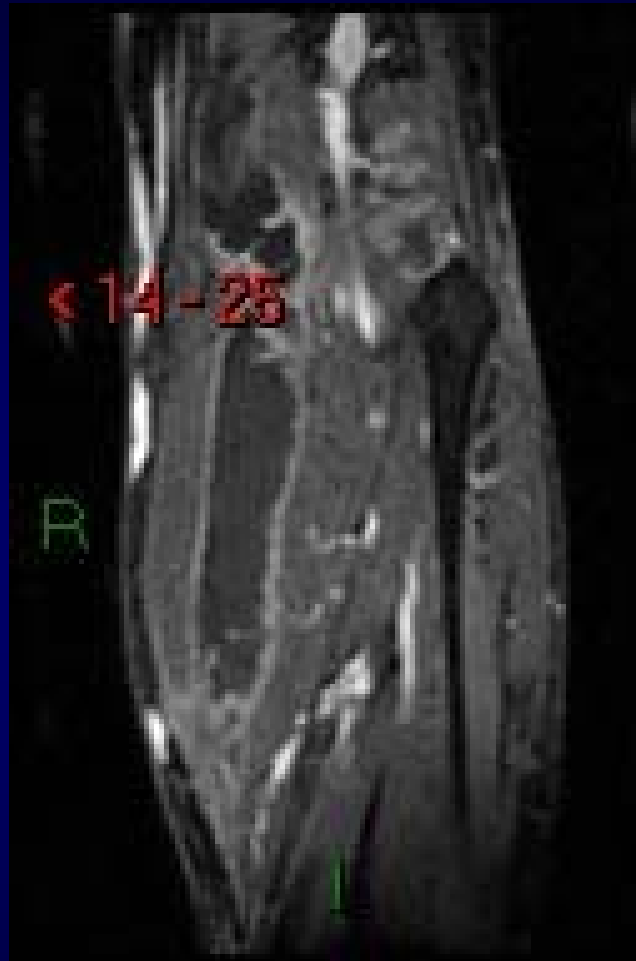
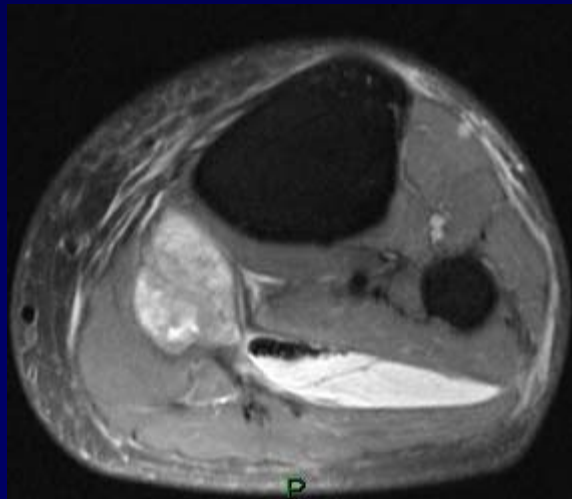
Distensione fluida della borsa comune di gastrocnemio e semimembranoso (cisti di Baker)



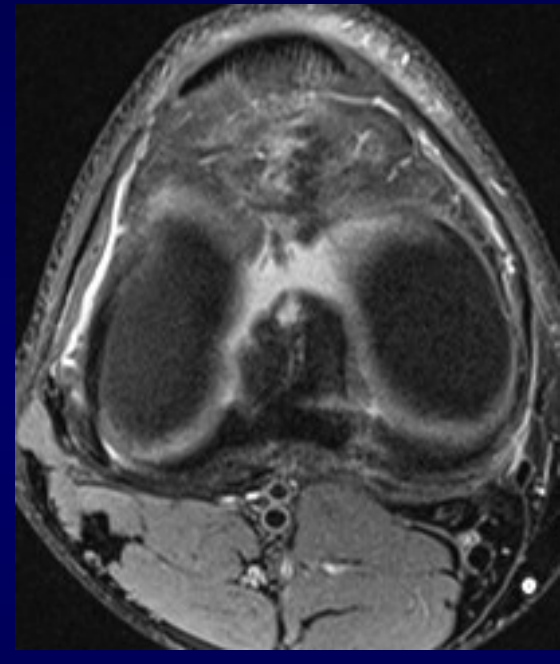
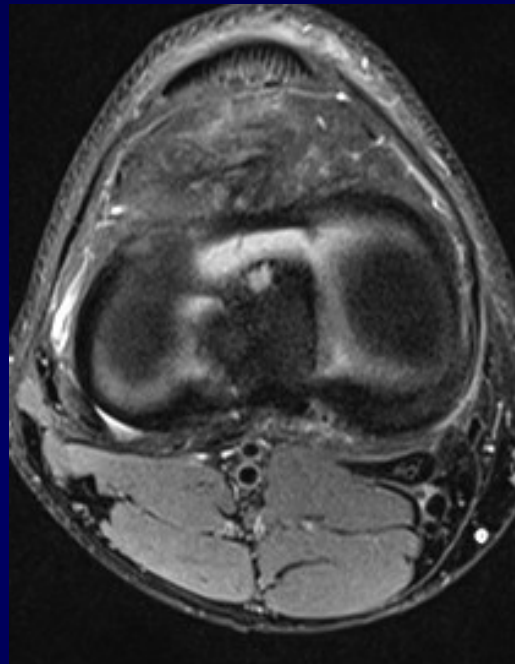
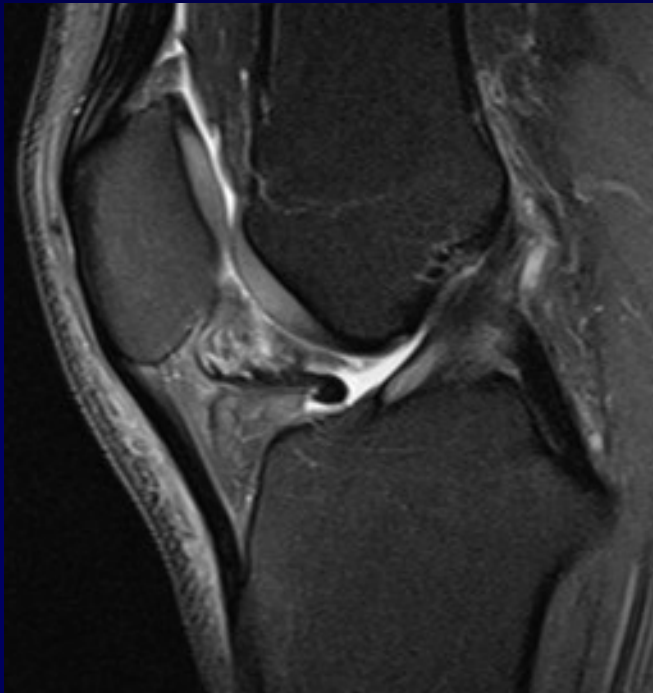
Rottura di cisti di Baker



Rottura di cisti di Baker



MENISCO ...e dintorni...



Legamento jugale ipertrofico

Imaging muscolo-scheletrico con RM

arto inferiore: ginocchio



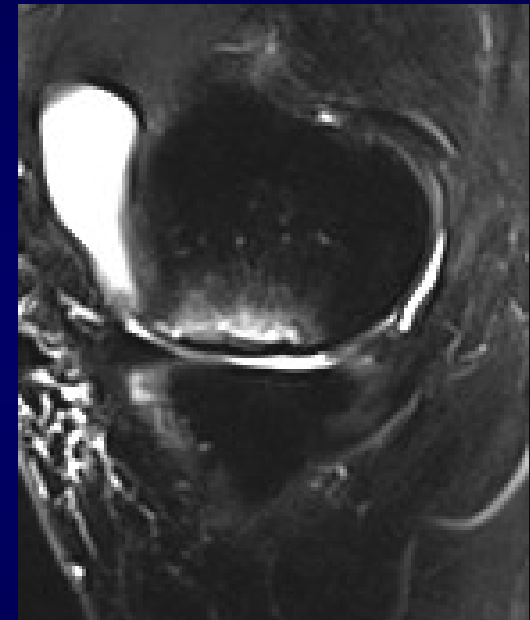
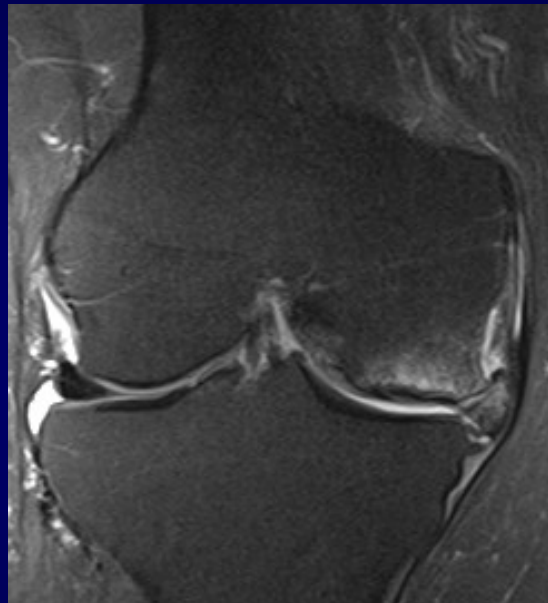
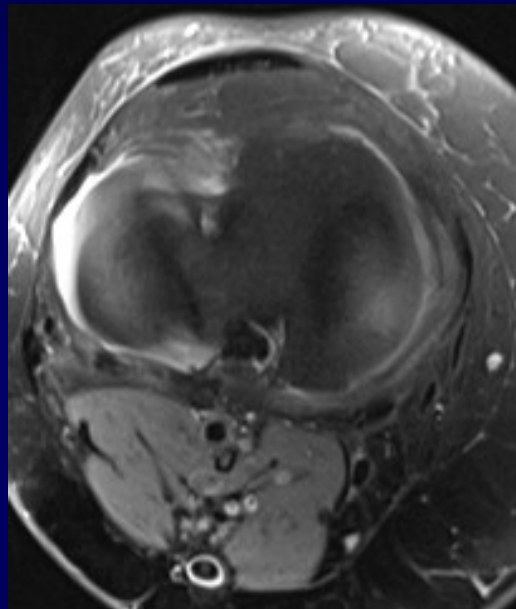
*L. Pietrobono, A. Corsico,
G.M. Danesino, L. Sammarchi*

U.O.C. di Radiagnostica

Fondazione Policlinico "San Matteo" I.R.C.C.S., Pavia

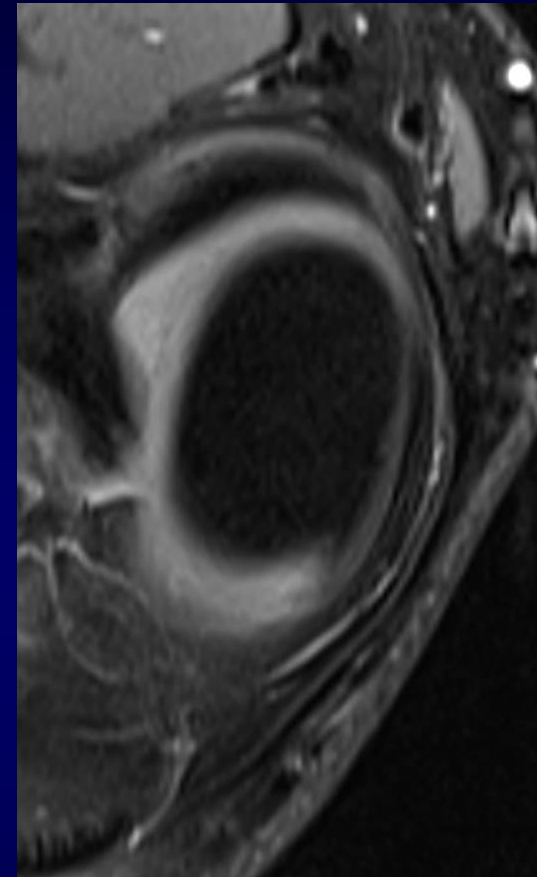
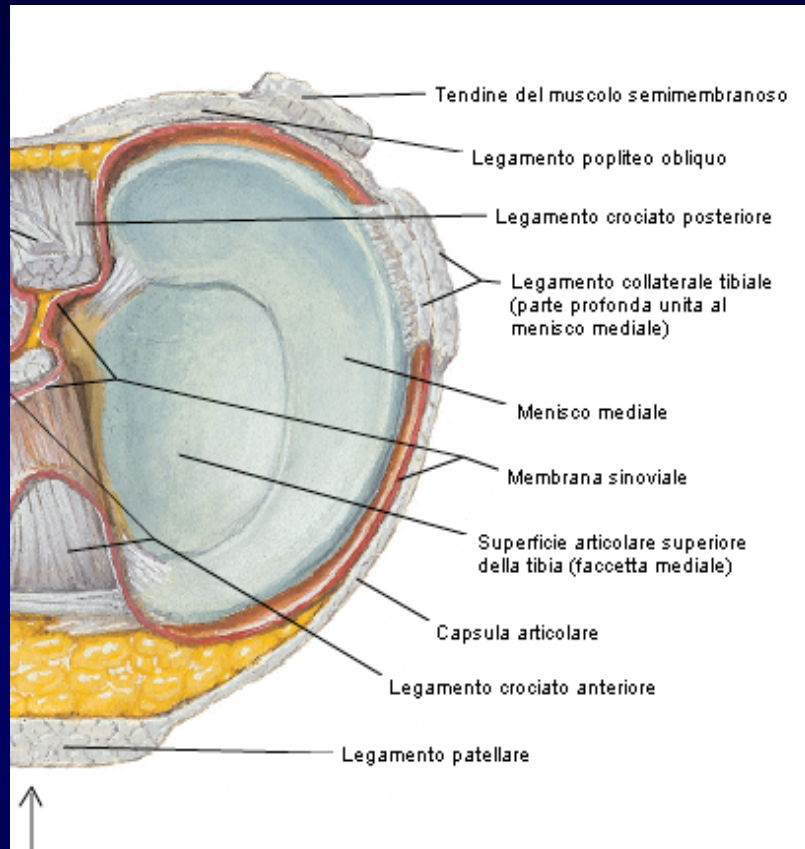


CLASSIFICAZIONE DELLE FRATTURE MENISCALI



Lesione complessa
trasversale e radiale

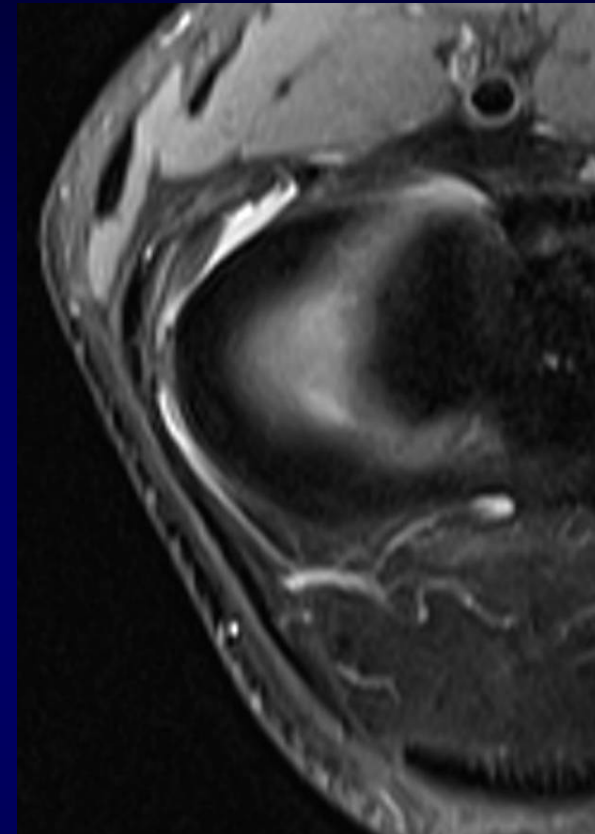
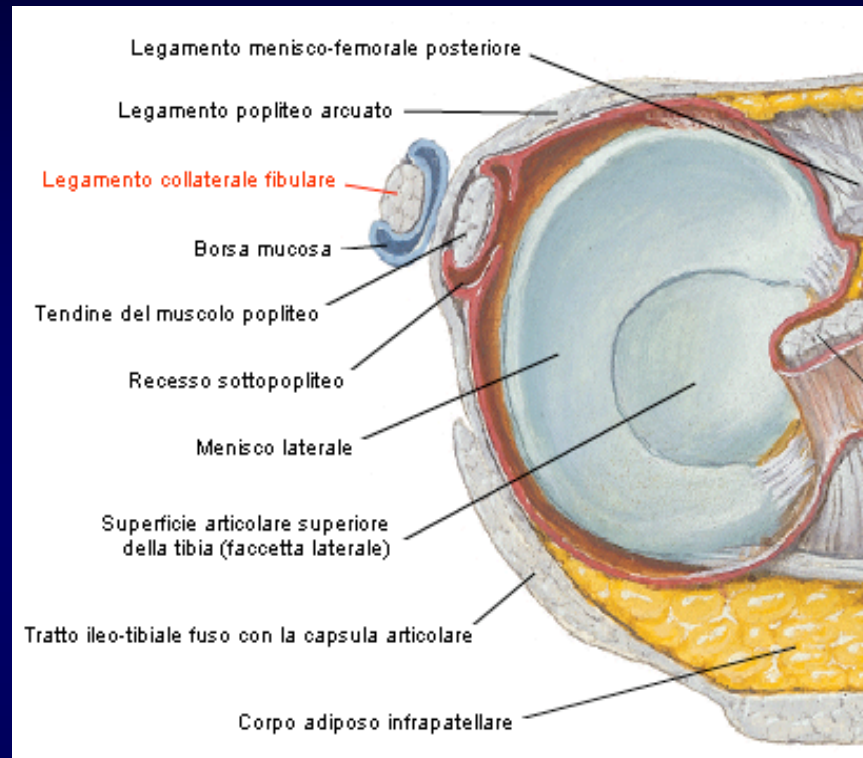
ANATOMIA



Punto d'Angolo Postero-Interno (P.A.P.I.)

- Muro meniscale posteriore con inserzione capsulare
- Legamento Posteriore Obliquo (POL)
- Espansione tendinea del m. Semimembranoso

ANATOMIA



Punto d'Angolo Postero-Esterno (P.A.P.E.)

- Capsula postero-laterale (con legamento arcuato)
- Regione periferica posteriore laterale (con hiatus popliteo)
- Tendine del m. Popliteo
- Legamento fabello-peroneale

FRATTURE MENISCALI

