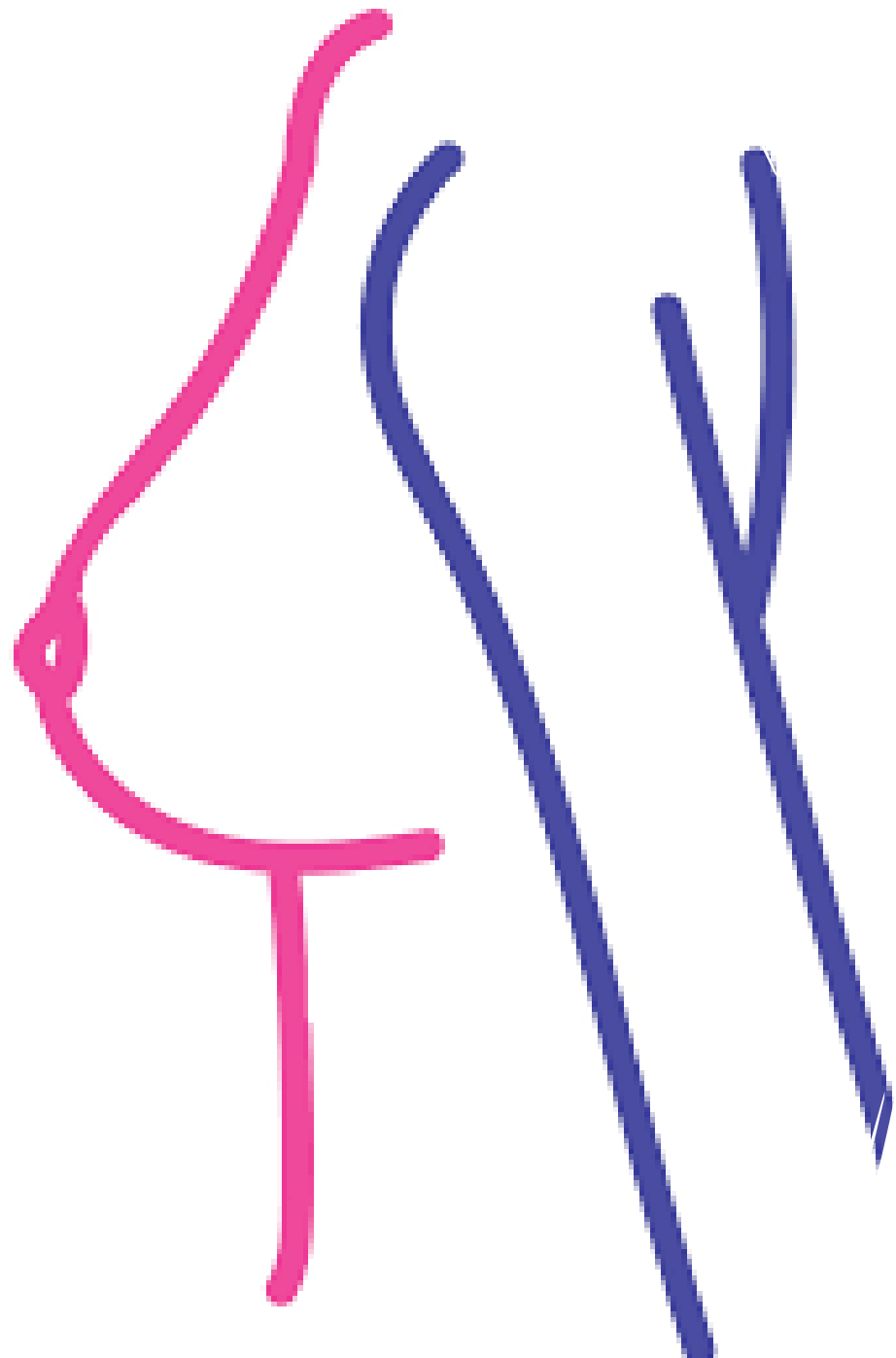




Imagistica mamara

Lucrari practice

Tehnici imagistice

**Ultrasonografie
(US)**

**Mamografie
(MM)**

**Imagistica prin
rezonanta magnetica
(IRM)**

Aspect normal- ECOGRAFIE MAMARA

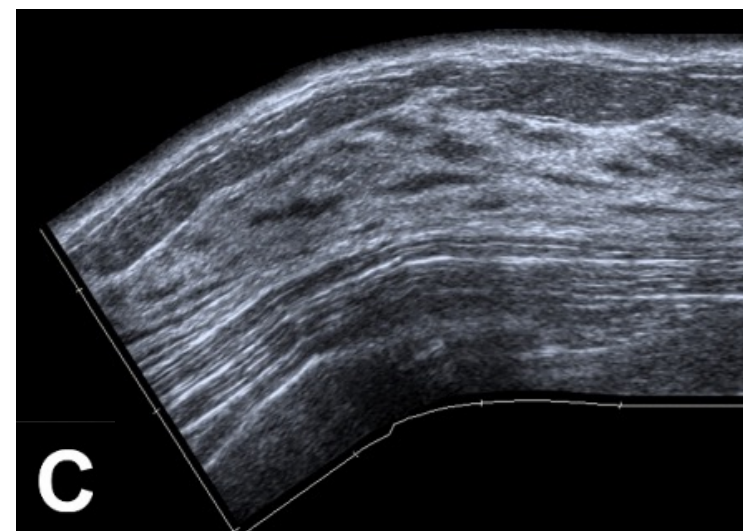
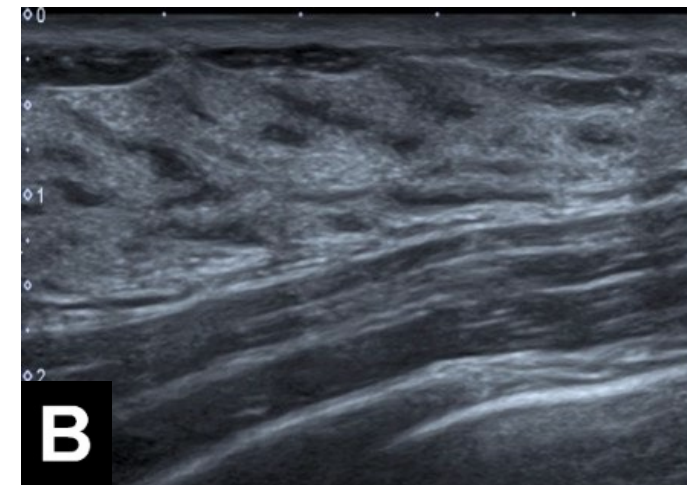
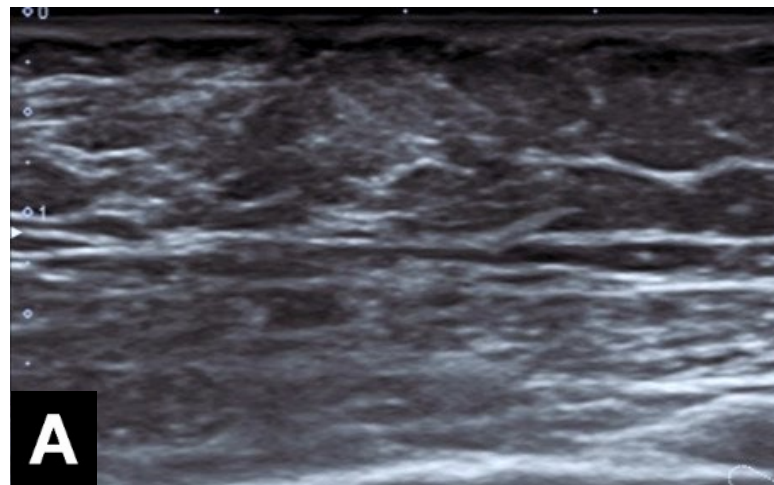


Figura 1. Aspectul normal US al tesutului mamar (A – tesut mamar adipos, B – tesut mamar fibroglandular, C – tesut mamar de tip mixt).

Aspect normal - MAMOGRAFIE



**Figura 2. Aspect MM normal
al tesutului mamar.**



- Tesutul adipos - *radiotransparent*;
- Tesutul glandular si ductal - *radioopac*.

Aspect normal- IMAGISTICA PRIN REZONANTA MAGNETICA

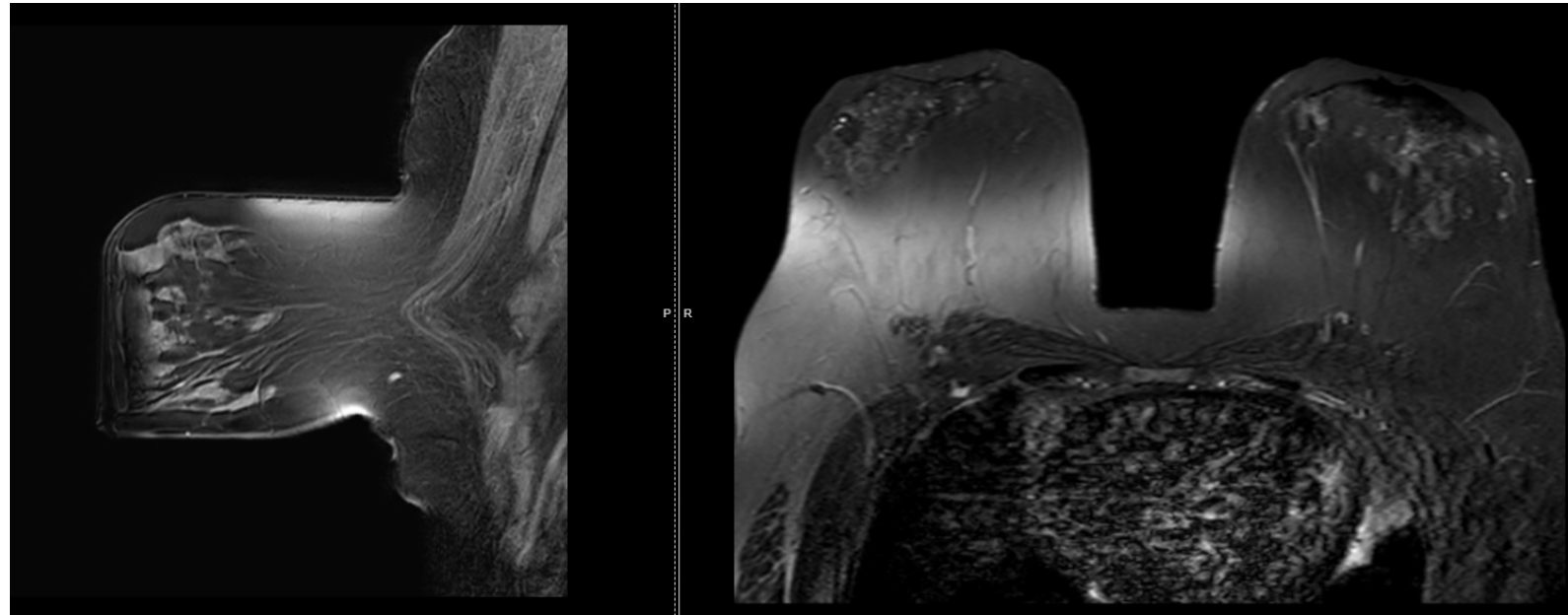


Figura 3. Aspect normal IRM al tesutului mamar de tip adipos (cu zone de tesut fibroglandular, fara mase tumorale prezente).

Aspecte clinice in patologia mamara



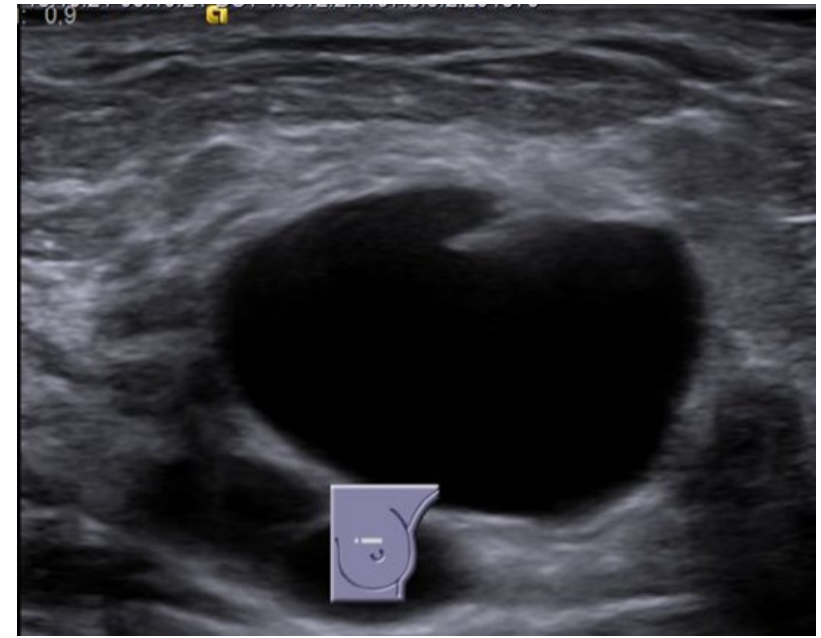
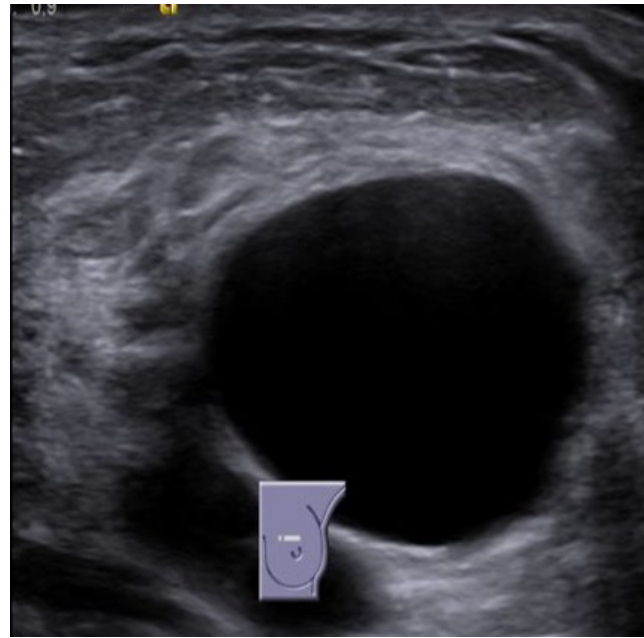
Aspecte clinice in patologia mamara



- **Tehnici imagistice** (MM+US, +/-IRM)
- **Biopsia mamara sub ghidaj ecografic** cu scopul de a stabili diagnosticul histopatologic

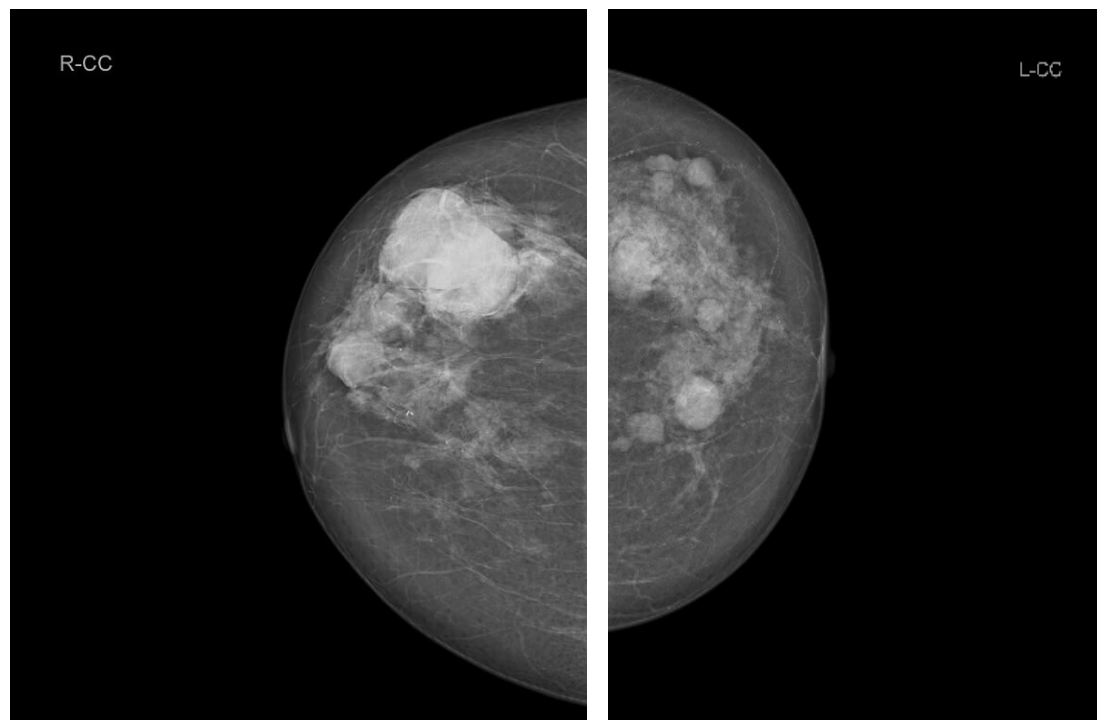
Diagnosticul de certitudine

Leziuni mamare benigne - chisturile mamare

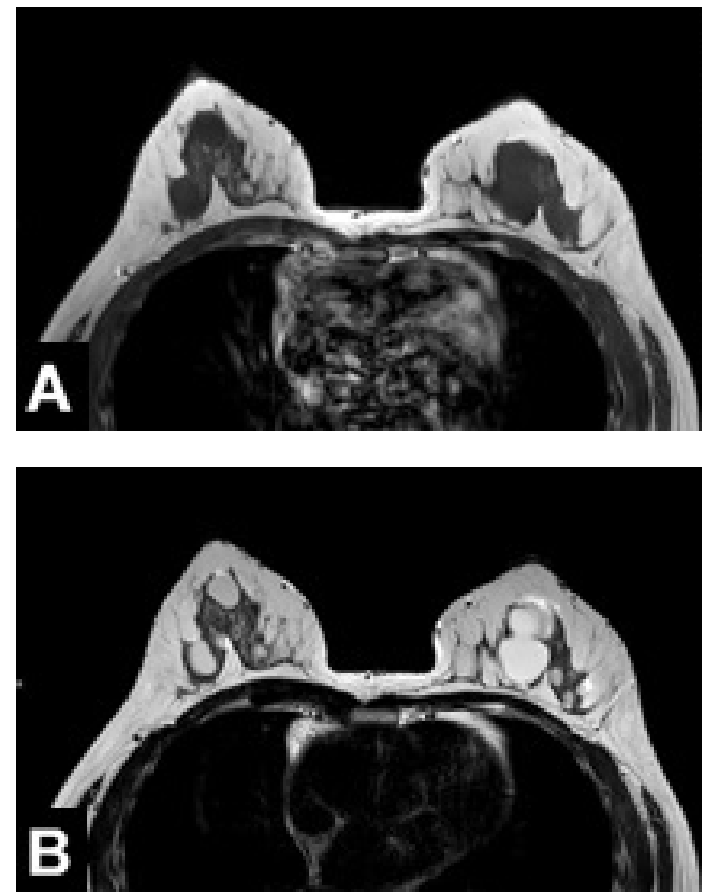


Aspecte US ale chisturilor mamare.

Leziuni mamare benigne - chisturile mamare

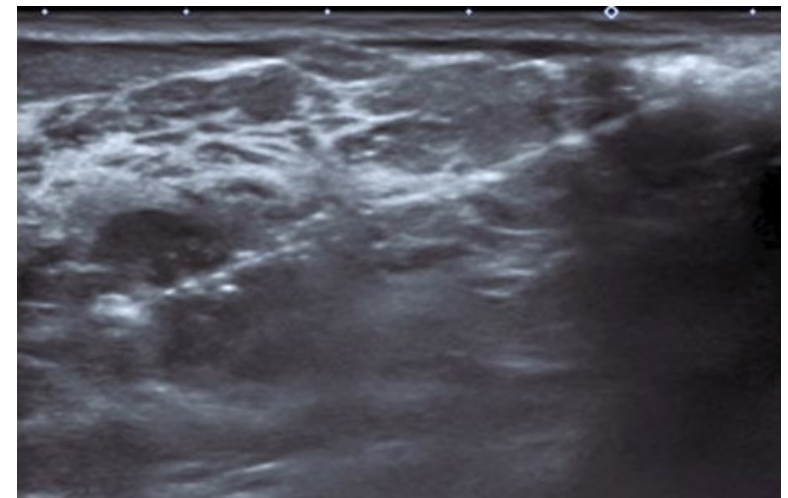
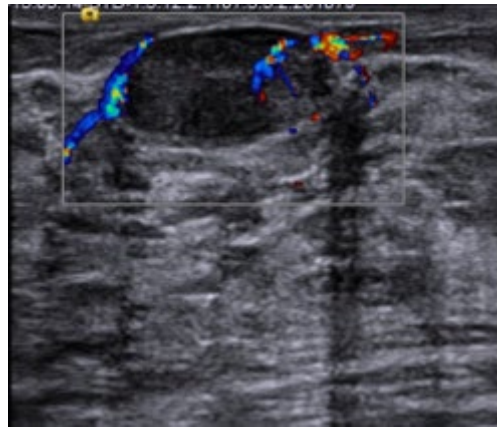
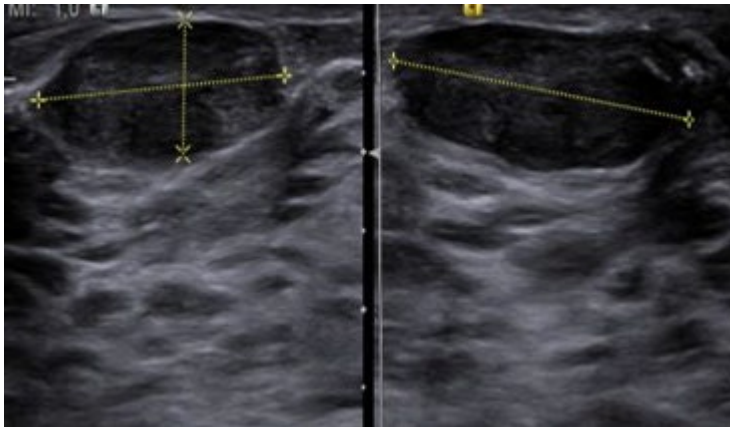
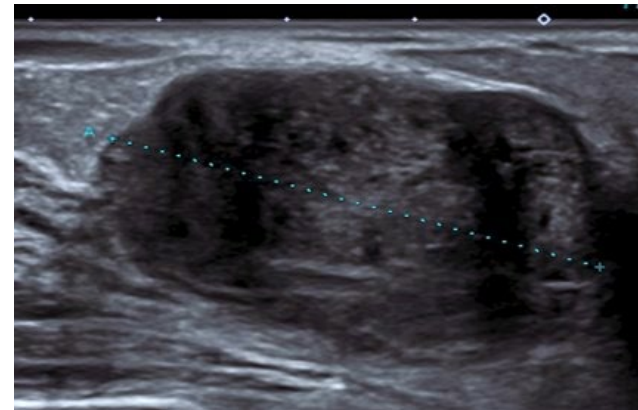
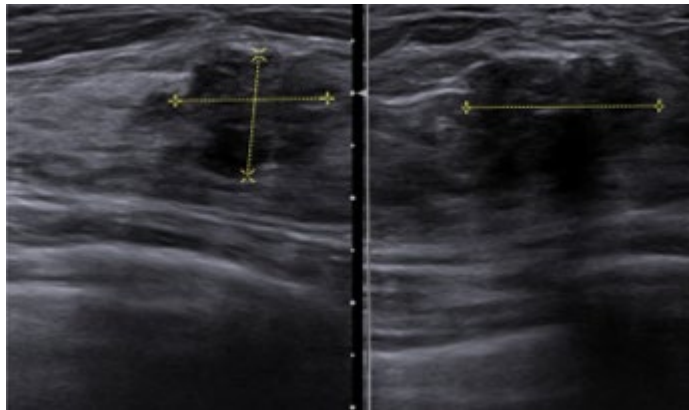
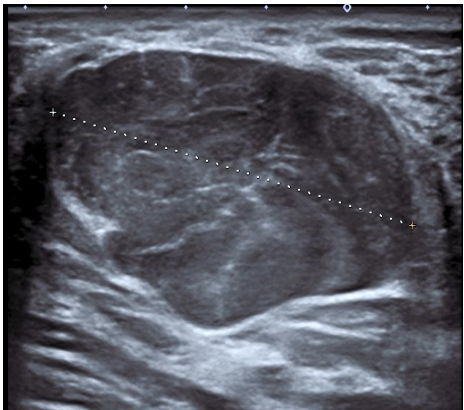


Aspect MM de chisturi mamare multiple.



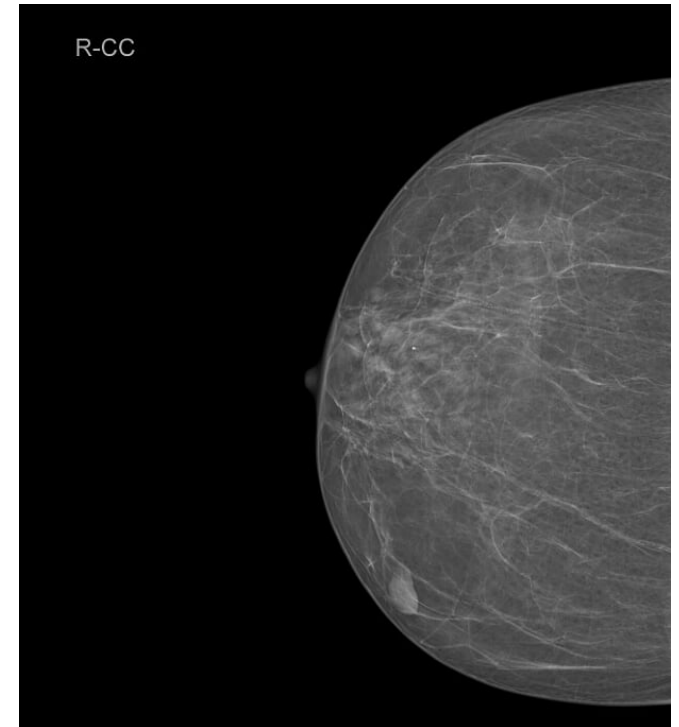
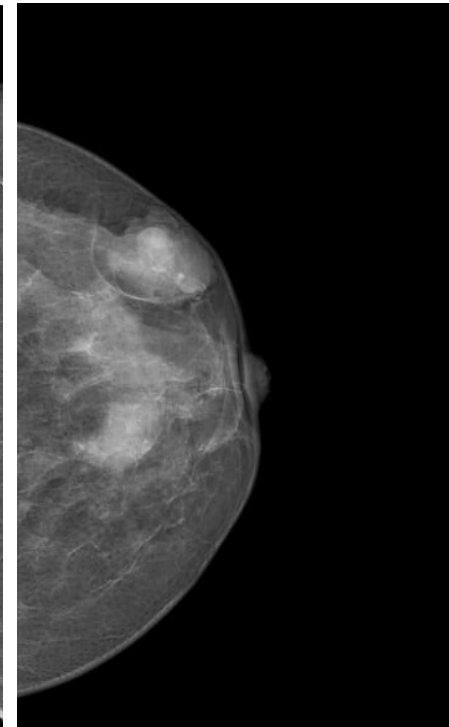
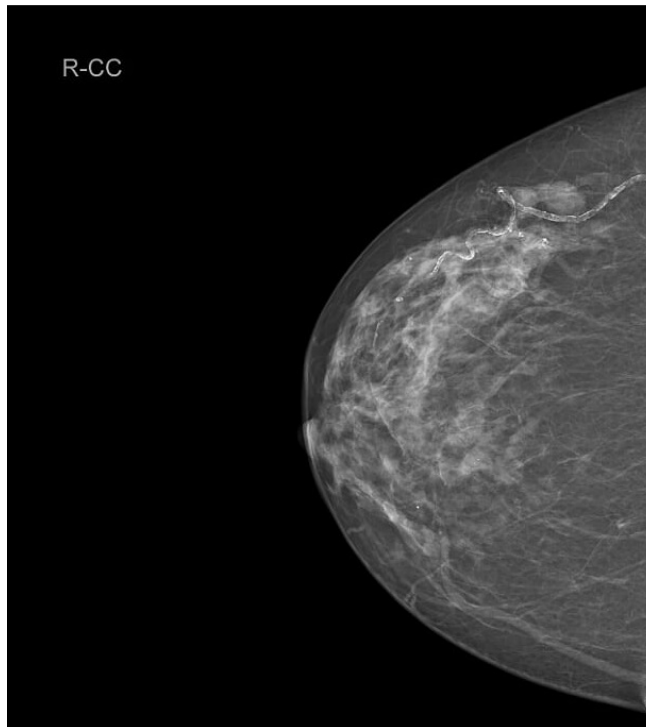
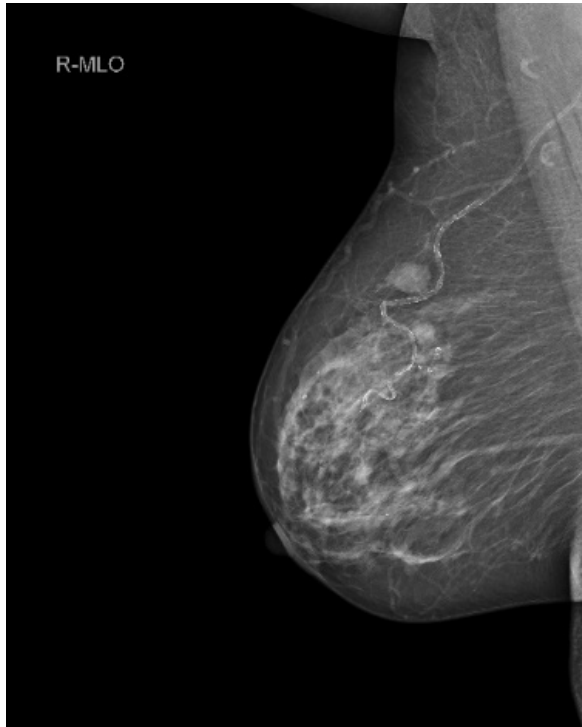
Aspect IRM de chisturi mamare (A –hiposemnal T1 si B – hipersemnal T2).

Leziuni mamare benigne – Fibroadenomul mamar (FA)



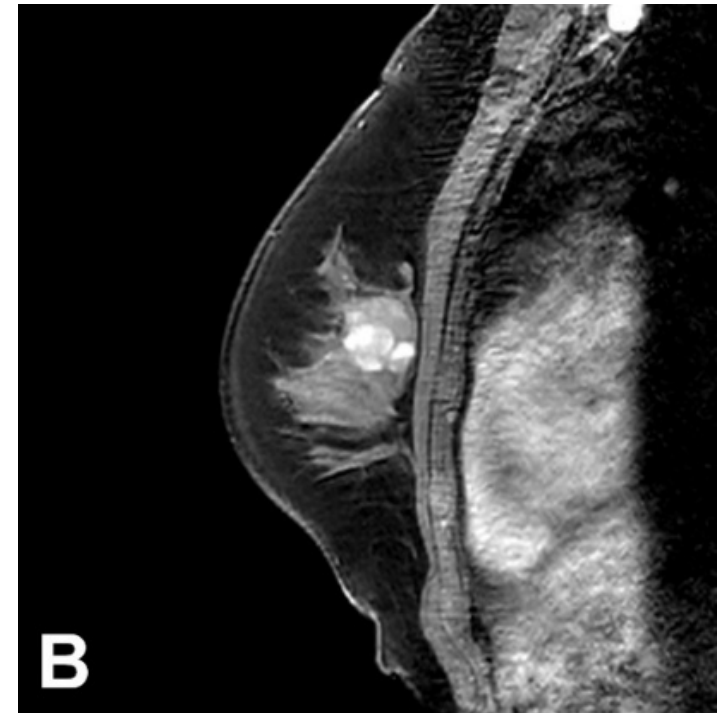
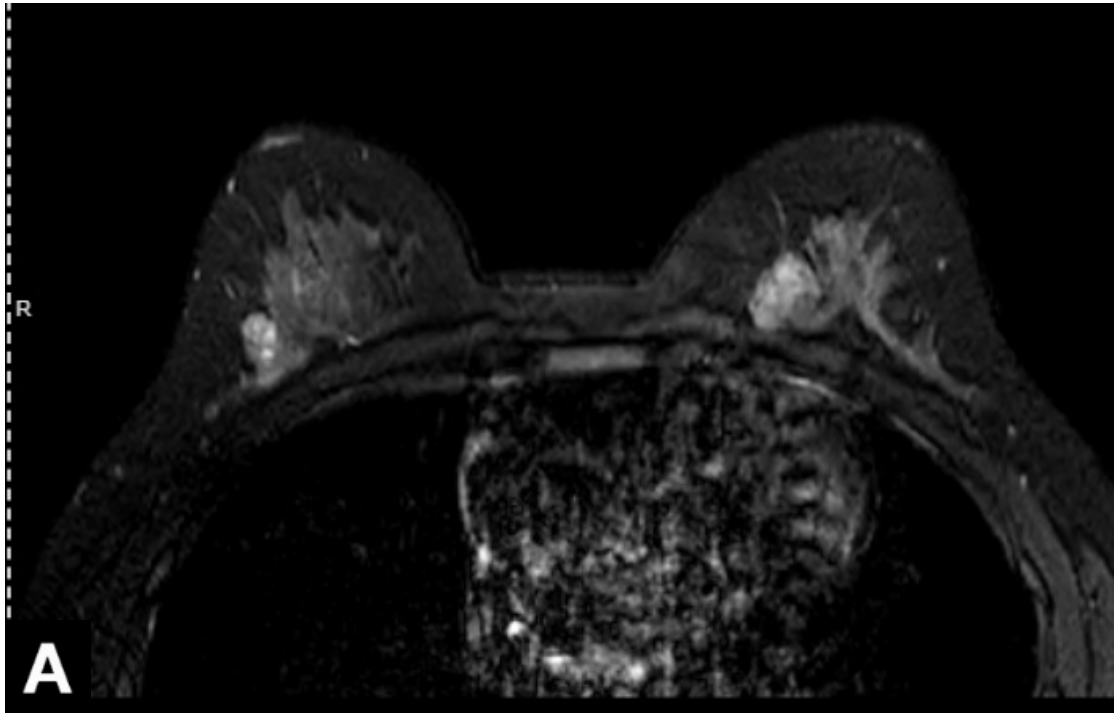
Aspect US de FA.

Leziuni mamare benigne – Fibroadenomul mamar (FA)



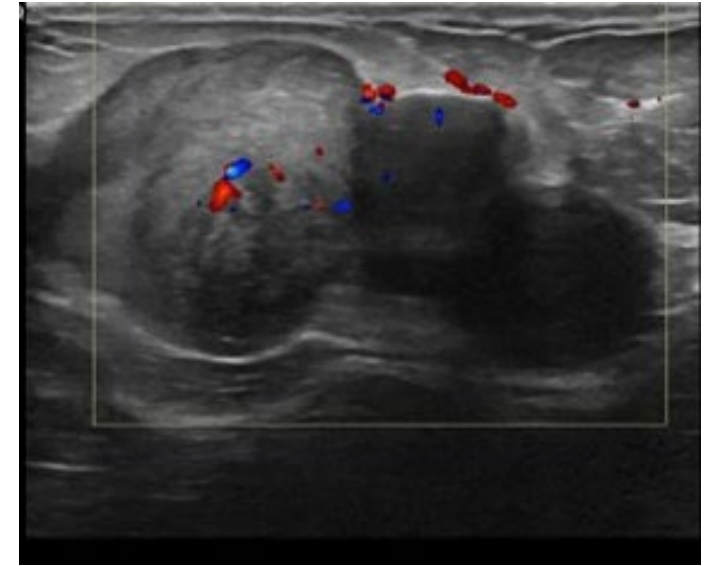
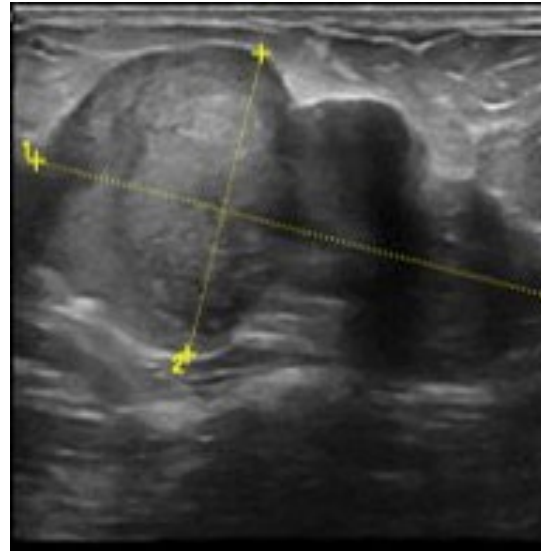
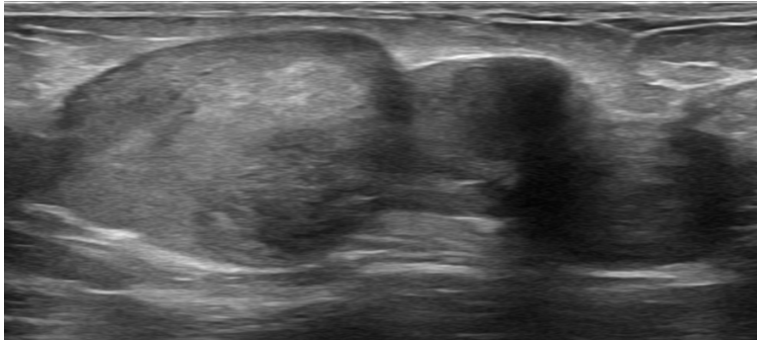
Aspect de FA la MM.

Leziuni mamare benigne – Fibroadenomul mamar (FA)



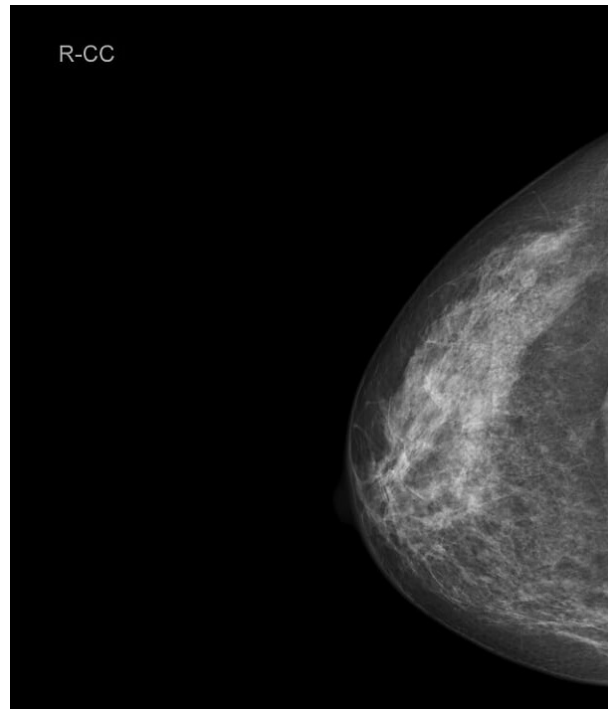
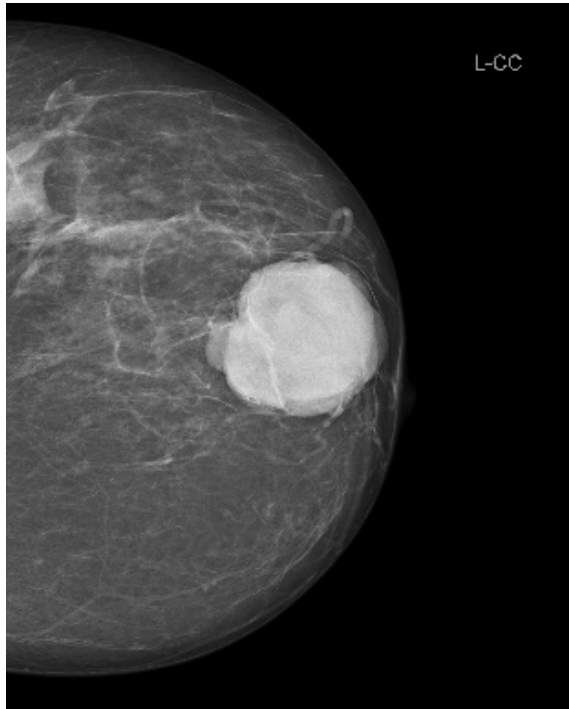
Aspect IRM de FA– Hipersemnal in secventa T2 (A) cu captare gadofila de tip benign (B).

Leziuni mamare benigne – Tumora Phyllodes

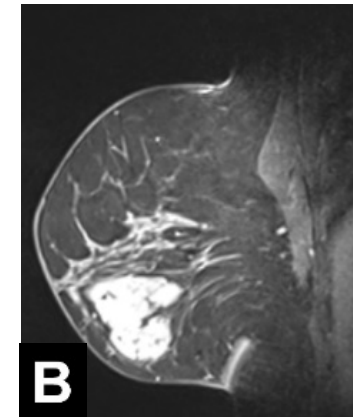
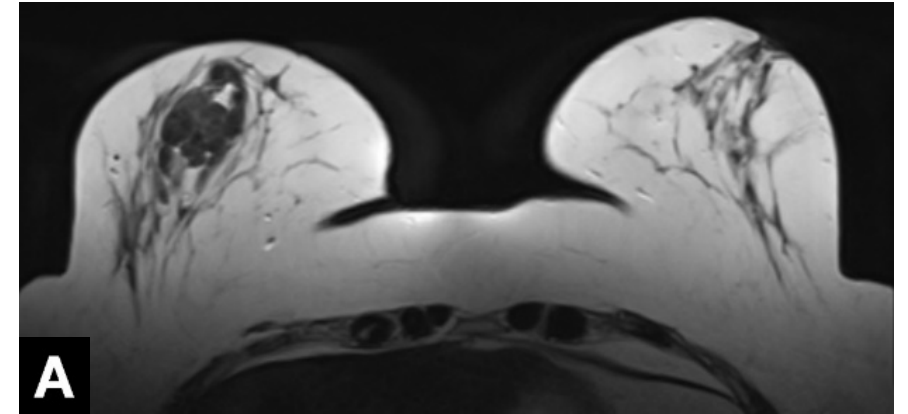


Aspect US de tumora Phyllodes.

Leziuni mamare benigne – Tumora Phyllodes



Tumora Phyllodes aspect MM.

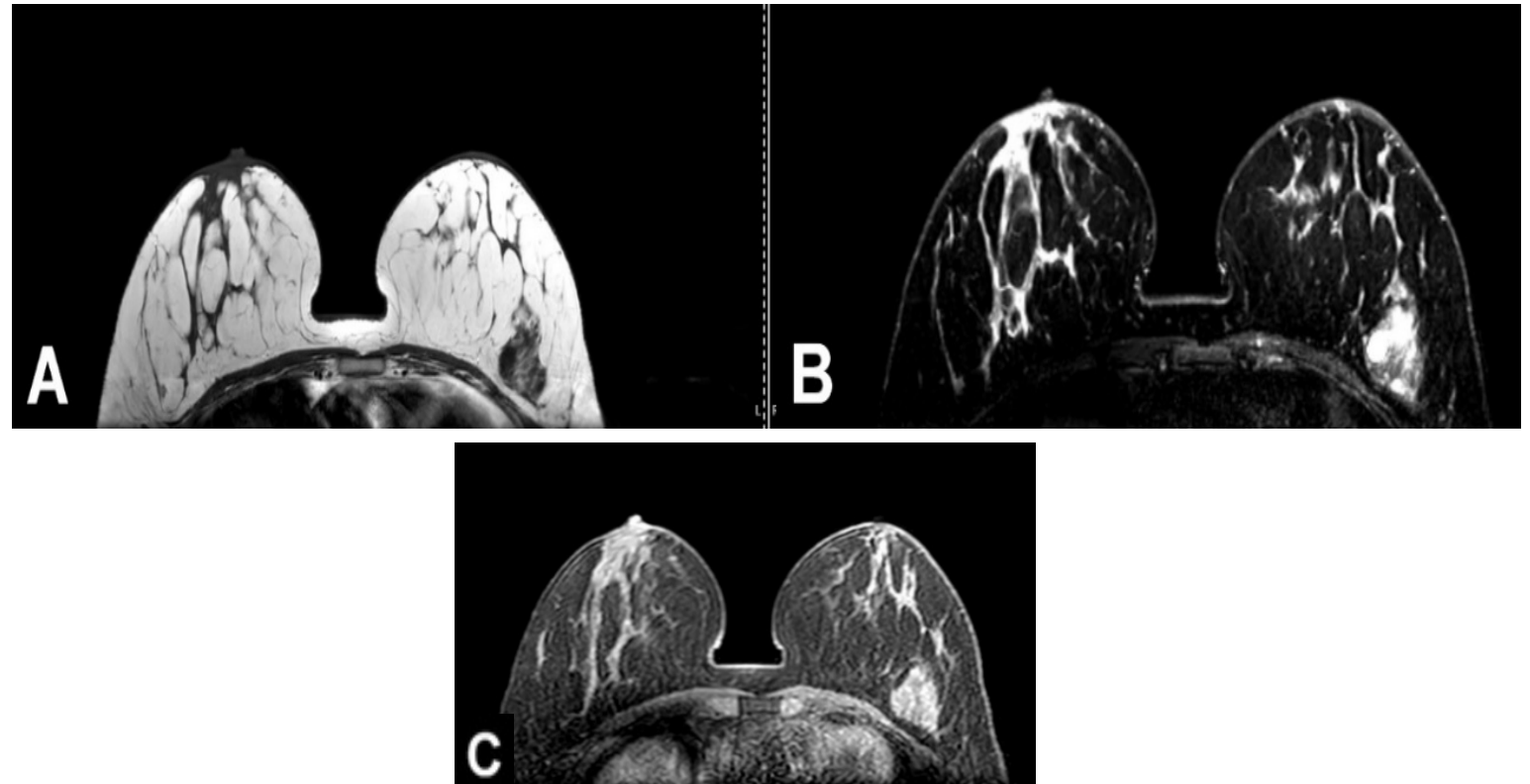


**Tumora Phyllodes aspect
IRM – Hiposemnal T2 (A),
hipersemnal T1 post-
contrast (captare
gadolinium) (B).**

Leziuni mamare benigne – Mastopatia fibrochistica (MFC)

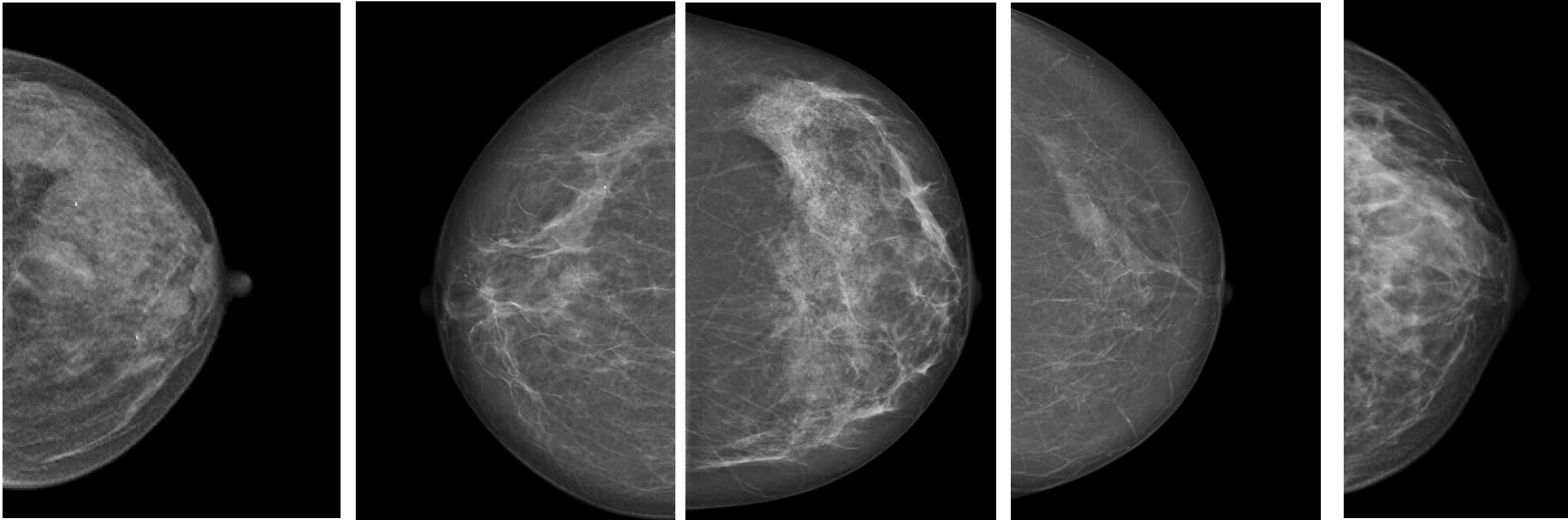


MFC aspect US.



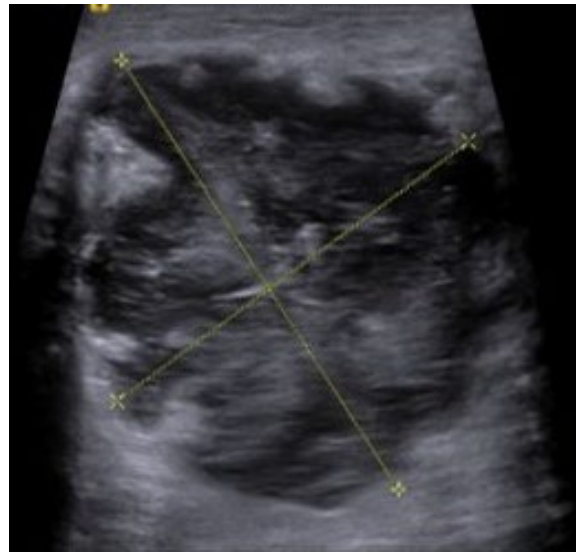
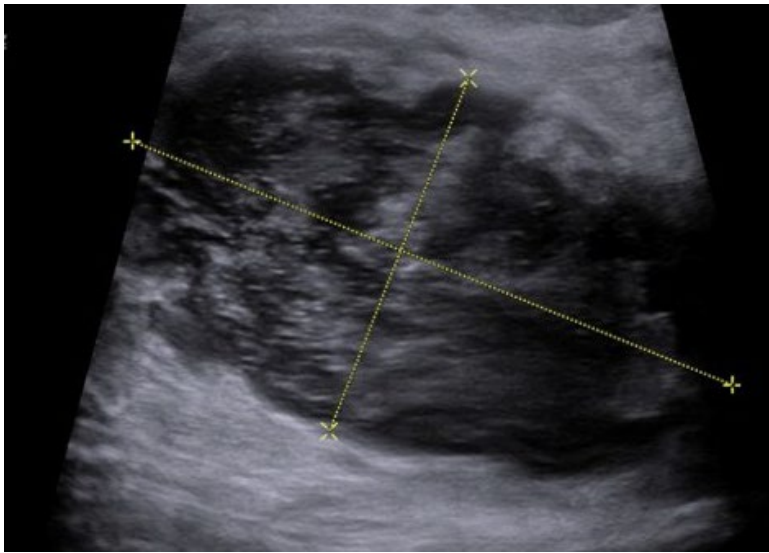
MFC aspect IRM – Hiposemnal T1 (A), hipersemnal T2 (B), gadofil (C).

Leziuni mamare benigne – Mastopatia fibrochistica (MFC)

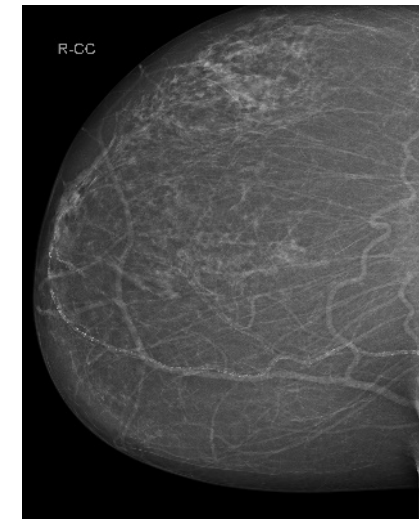
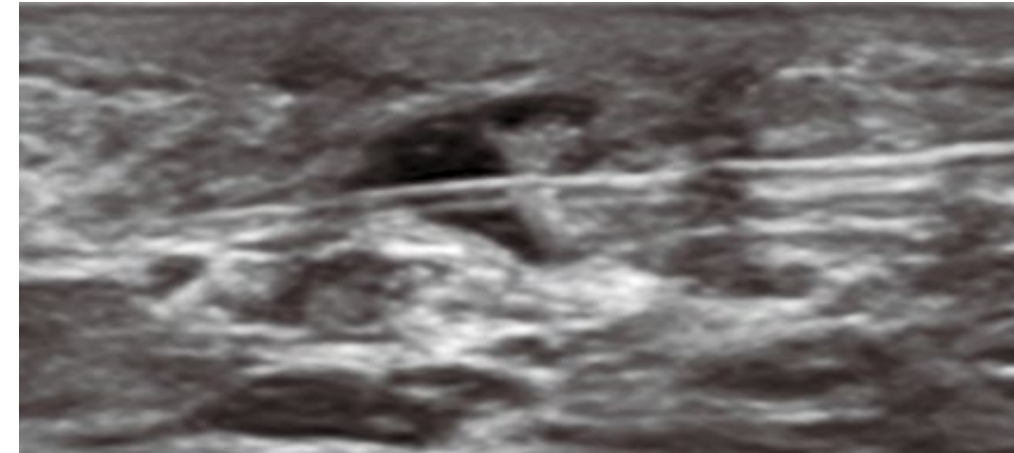


MFC aspect MM.

Leziuni mamare benigne – Abcesul mamar si Papilomul mamar

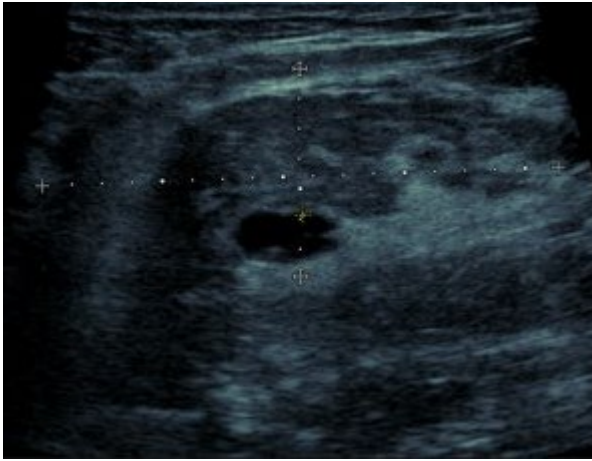


Absces mamar – aspect US

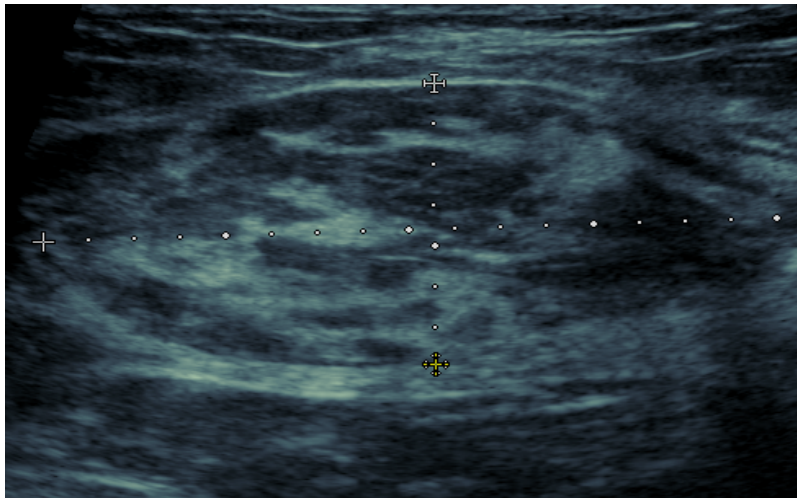


Papilom mamar, aspect US in timpul punctiei mamare sub ghidaj ecografic (sus) si aspect MM (stanga).

Leziuni mamare benigne – Hamartomul mamar

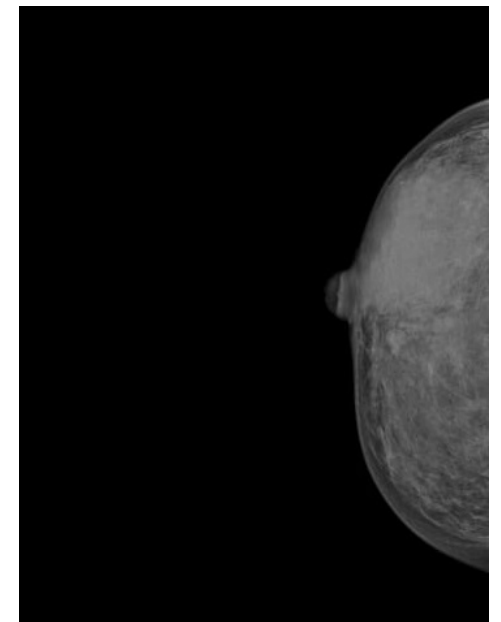
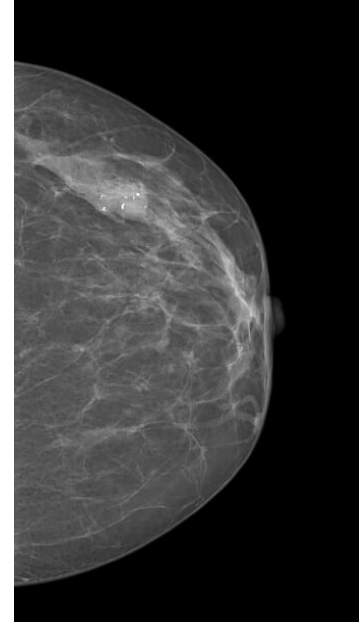
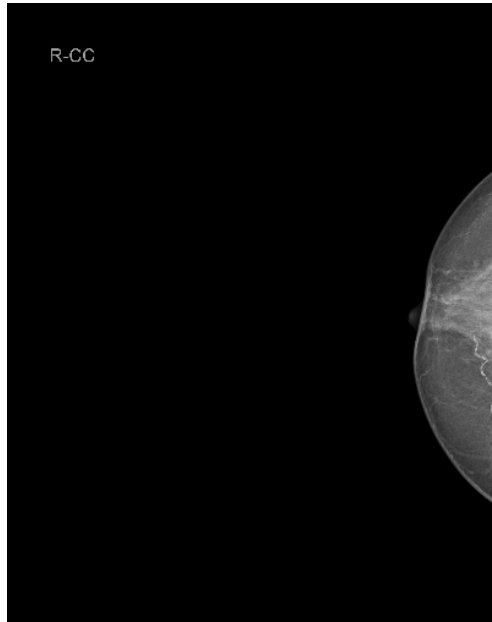
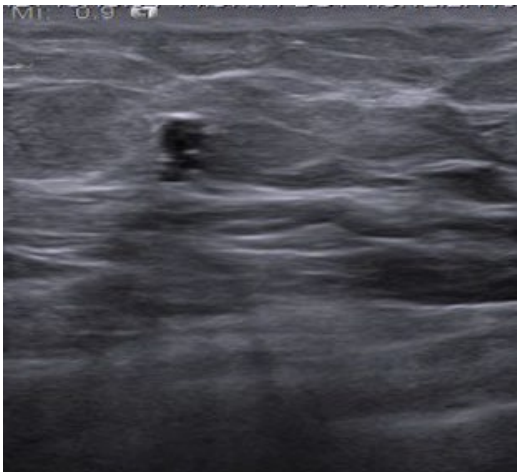
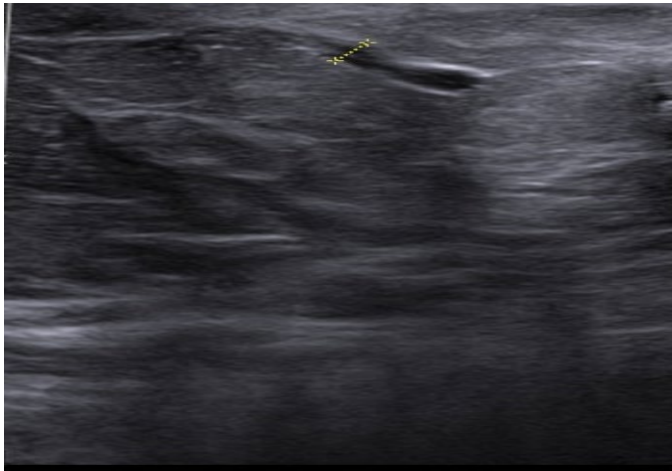


Hamartom mamar, aspect US



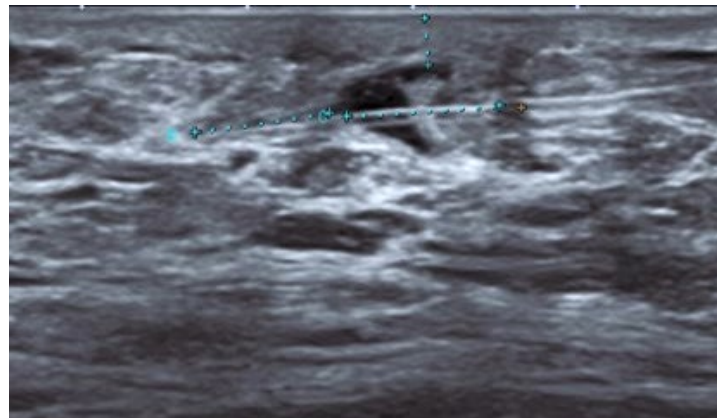
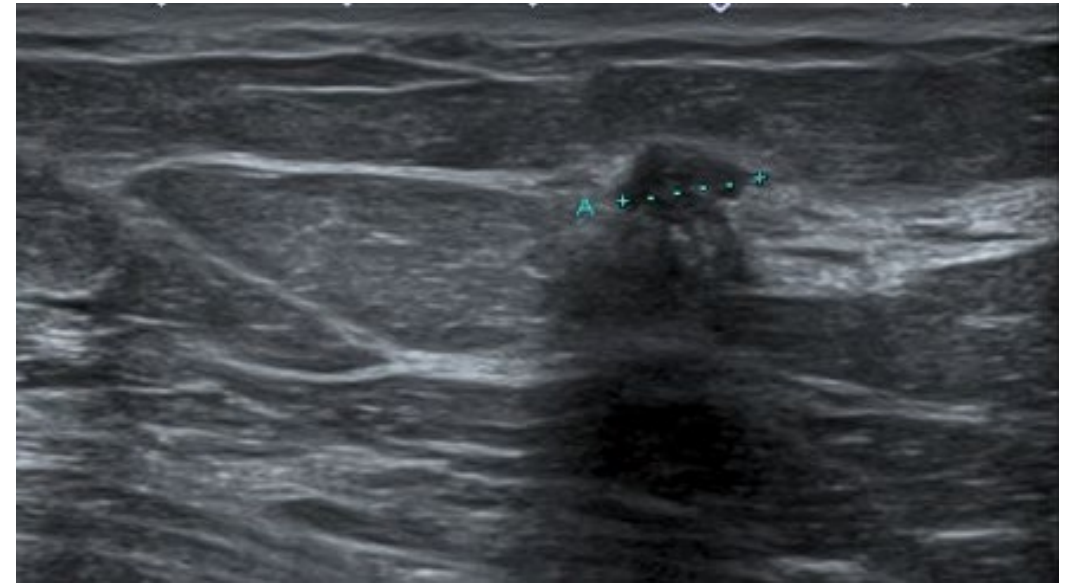
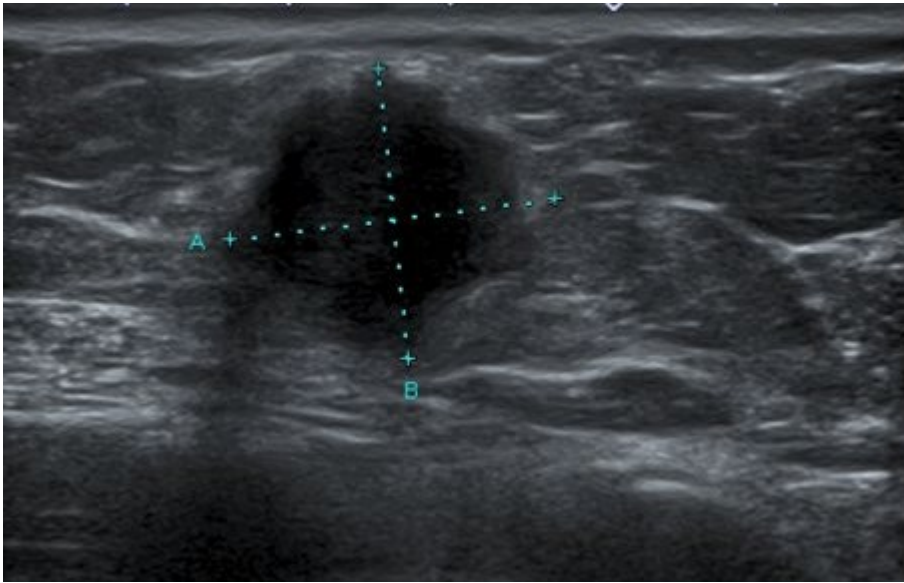
Hamartom mamar, aspect MM

Leziuni mamare benigne – Ectazia ductala



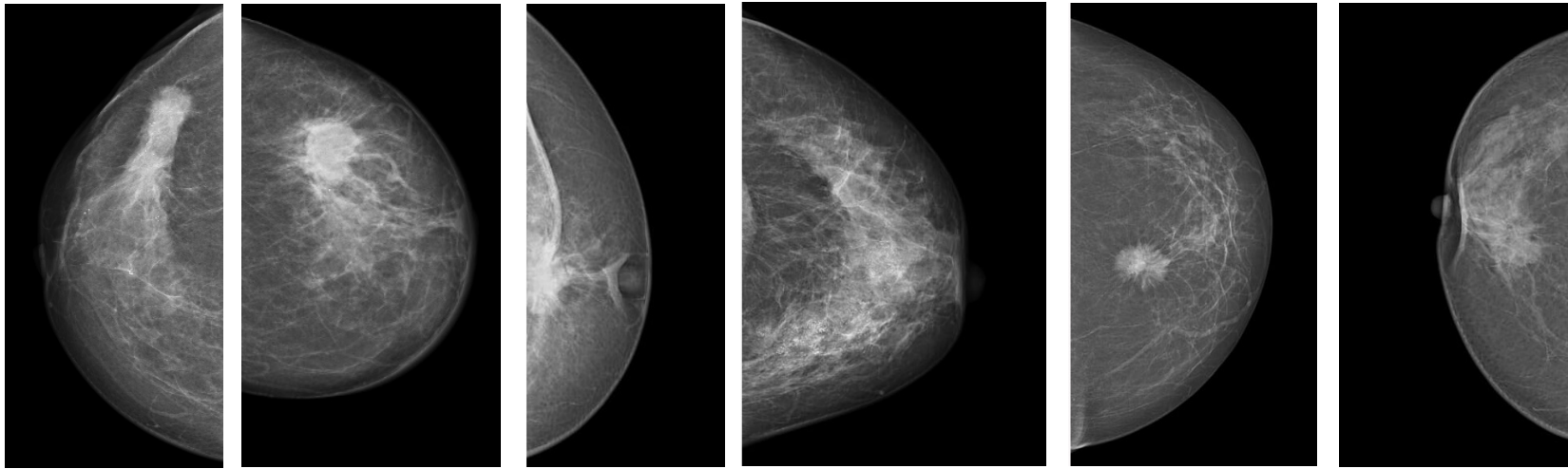
Apect US si MM de ectazie ductala

Leziuni mamare maligne – carcinomul ductal



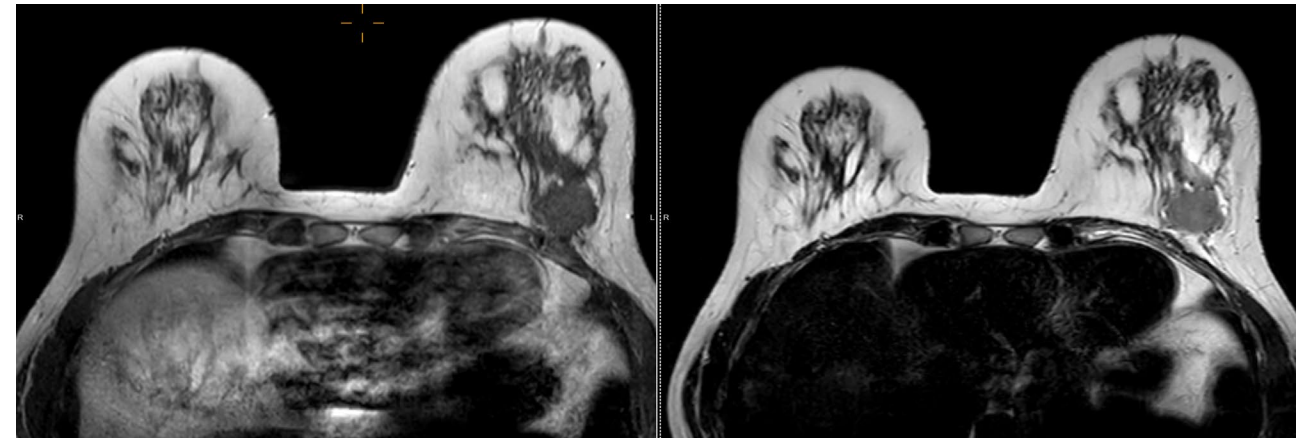
Aspect US de carcinom ductal

Leziuni mamare maligne – carcinomul ductal

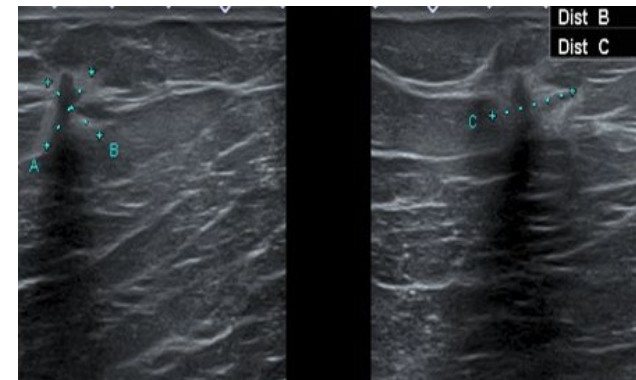
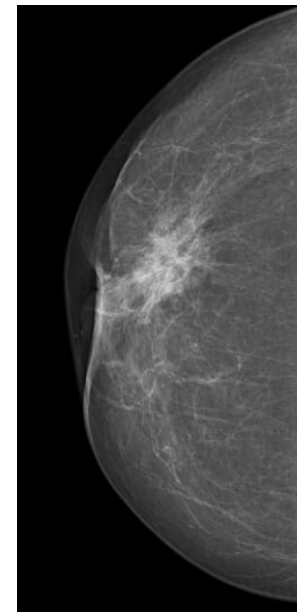
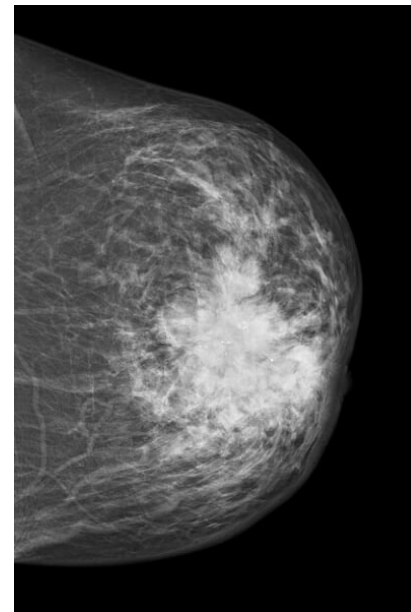
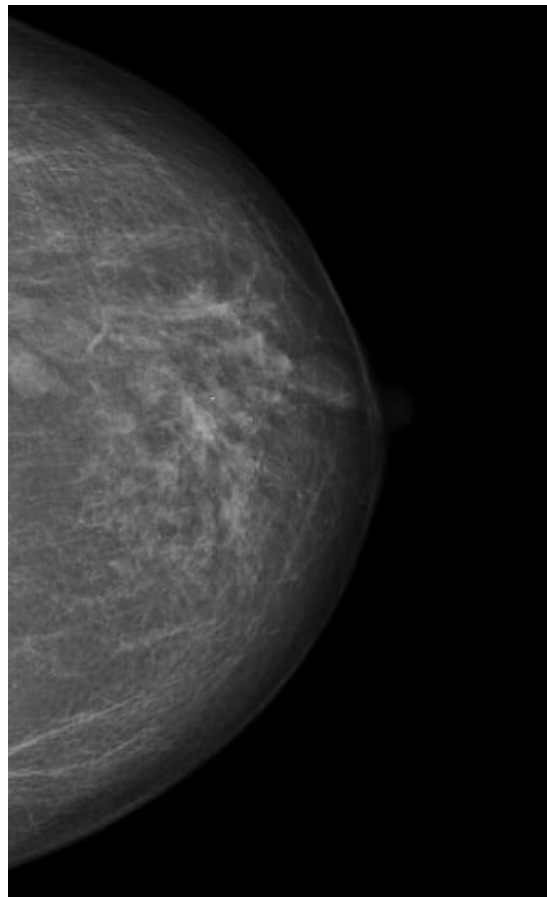
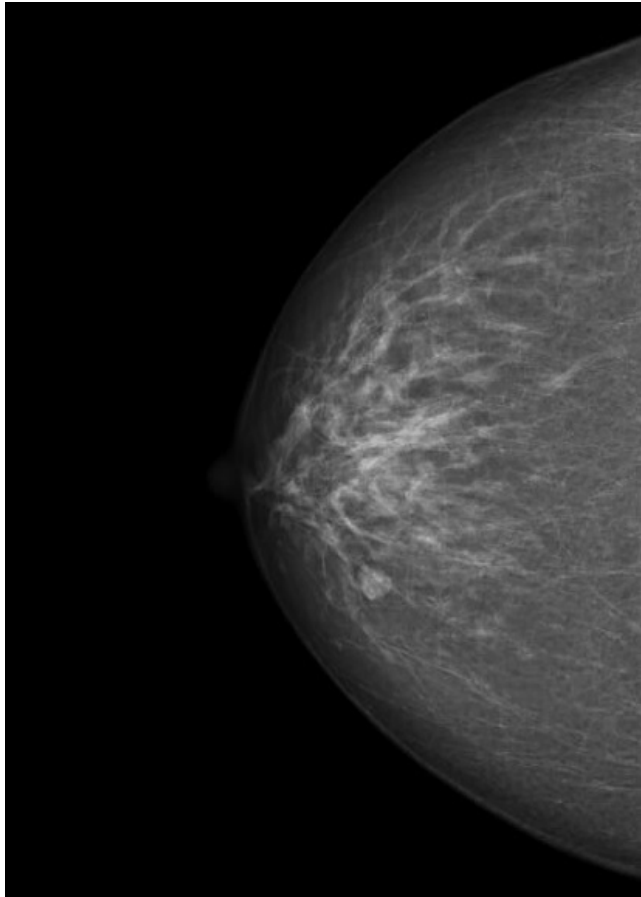


Aspect MM de carcinom ductal

**Aspect IRM de carcinoma ductal, in
hiposemnal T1 si T2**

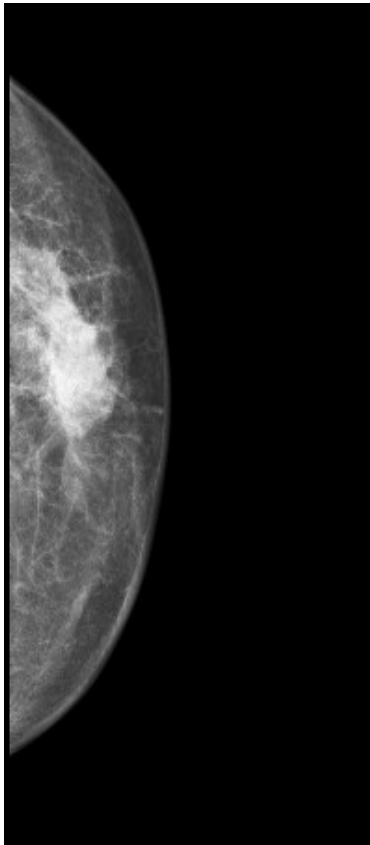
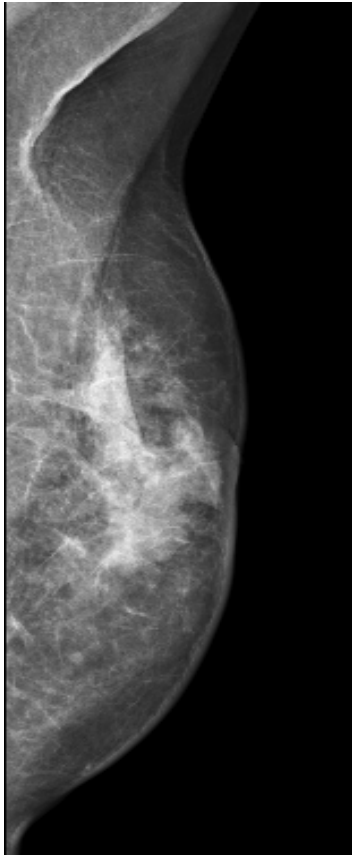


Leziuni mamare maligne – carcinomul lobular

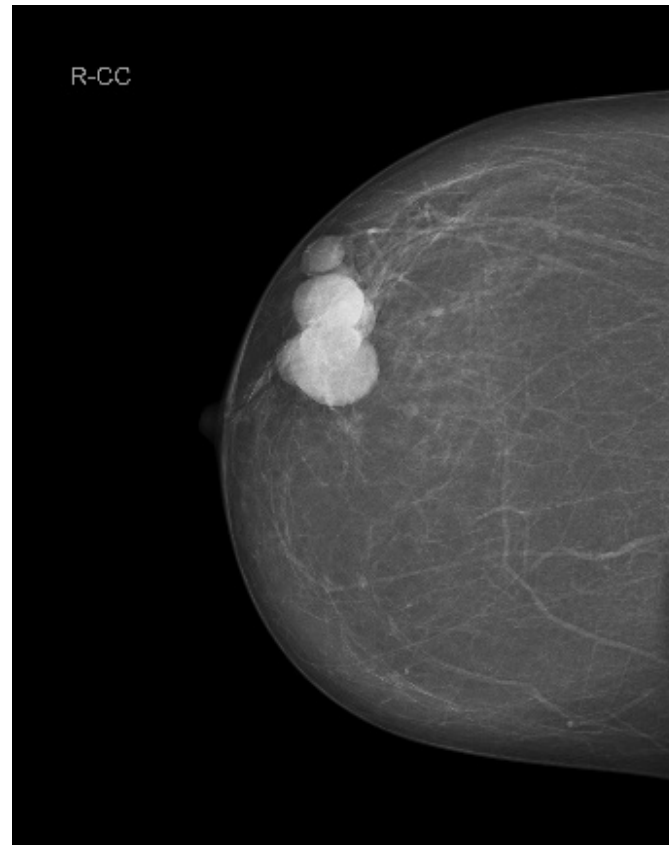


Aspect MM si US de carcinom lobular

Leziuni mamare maligne – Carcinom medular, coloid (mucinos), papilar si tubular

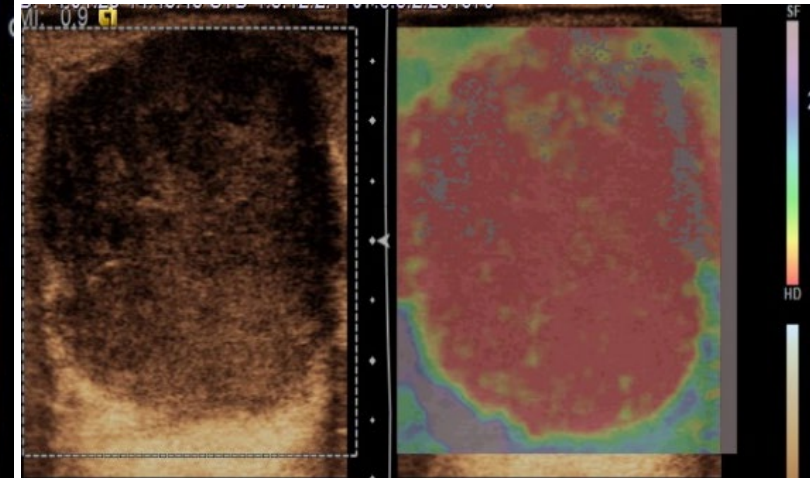
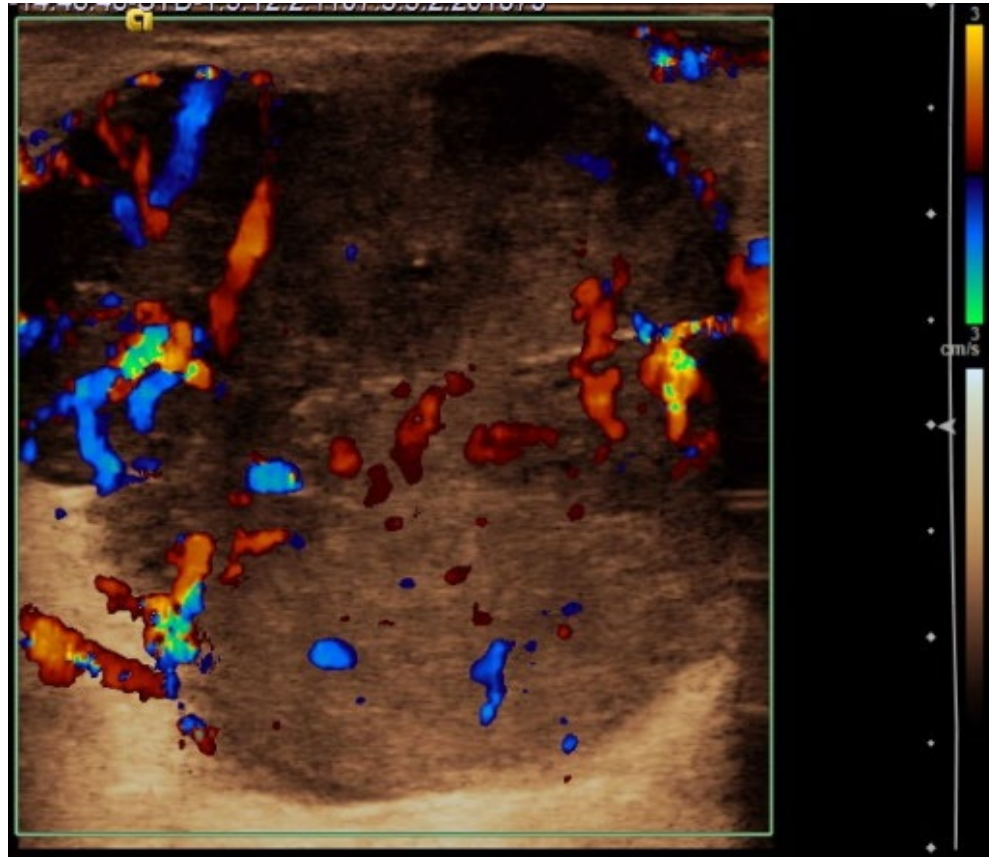


Aspect MM de carcinom Coloid (mucinos)



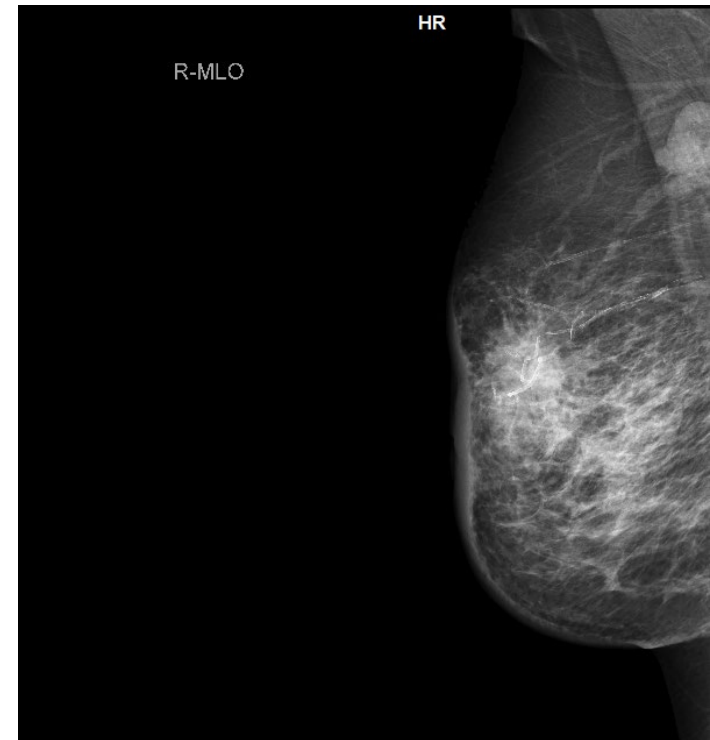
Aspect MM de carcinom Papilar

Leziuni mamare maligne – Boala Paget



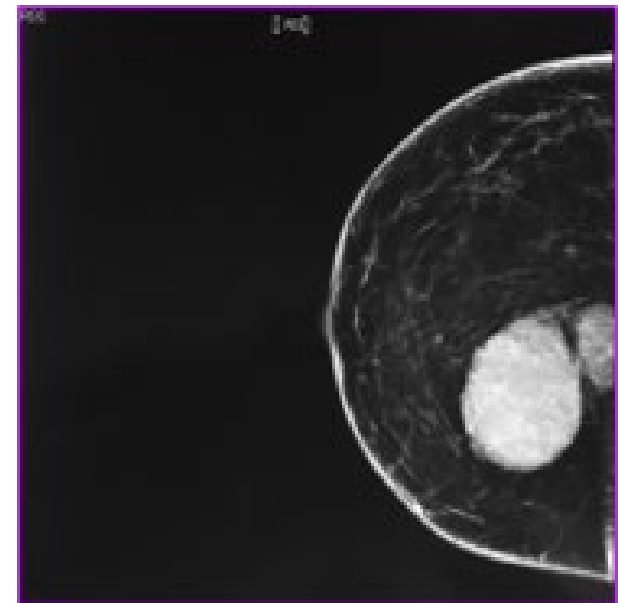
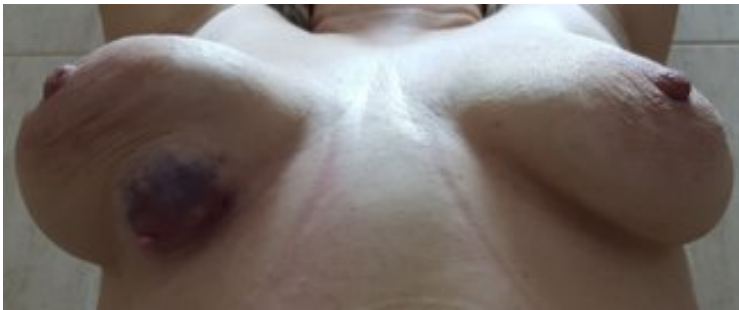
Aspect macroscopic si US de boala Paget

Leziuni mamare maligne - Mastita carcinomatoasa (carcinom de tip inflamator)



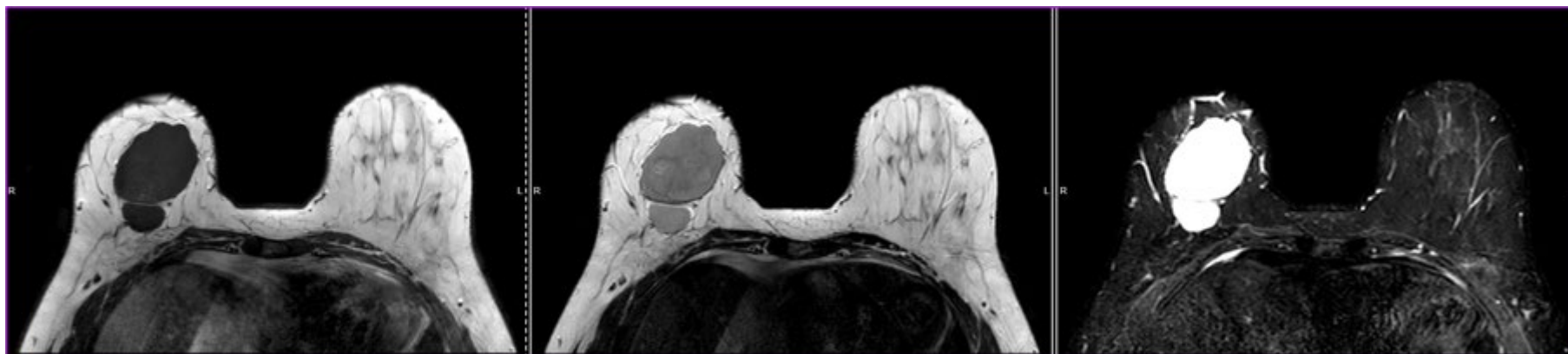
Aspect macroscopic si MM de carcinom de tip inflamator

Leziuni mamare maligne – Sarcomul mamar

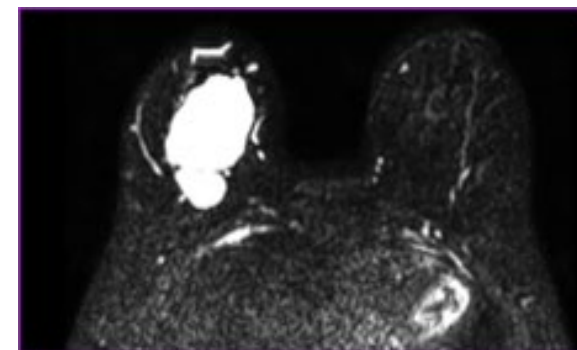
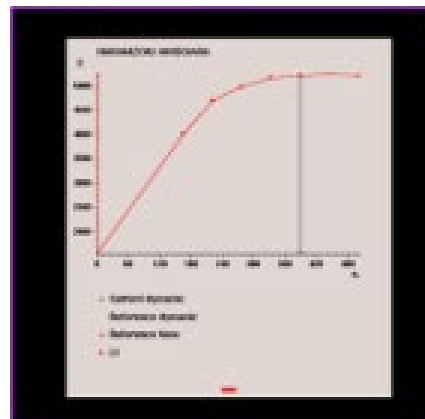
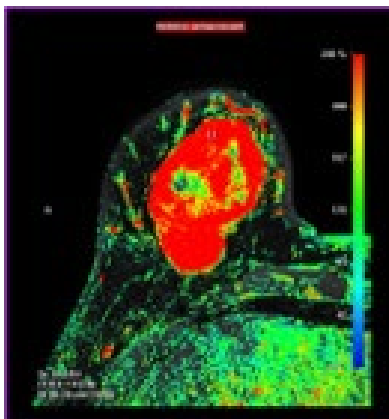
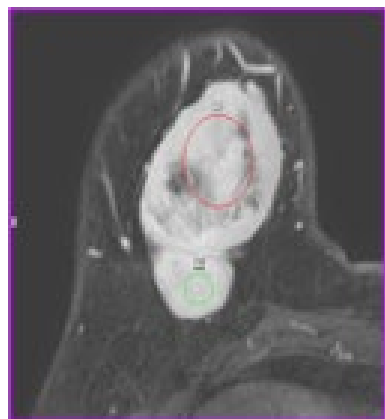


Aspect macroscopic si MM de sarcom mamar.

Leziuni mamare maligne – Sarcomul mamar



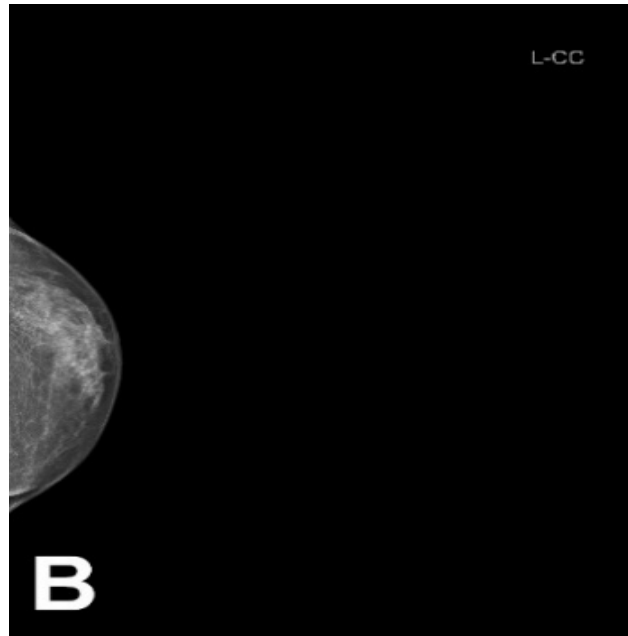
3T MRI – secvente T1, T2 si STIR



Secvente DWI si postcontrast

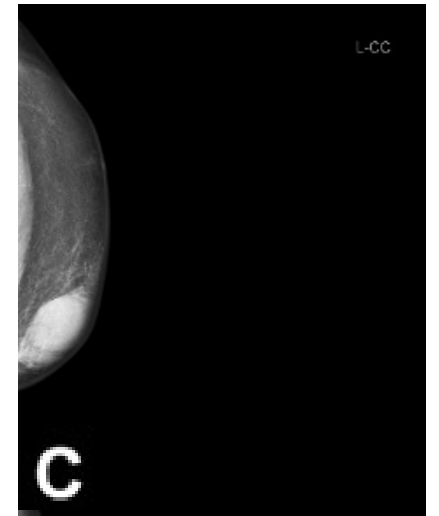
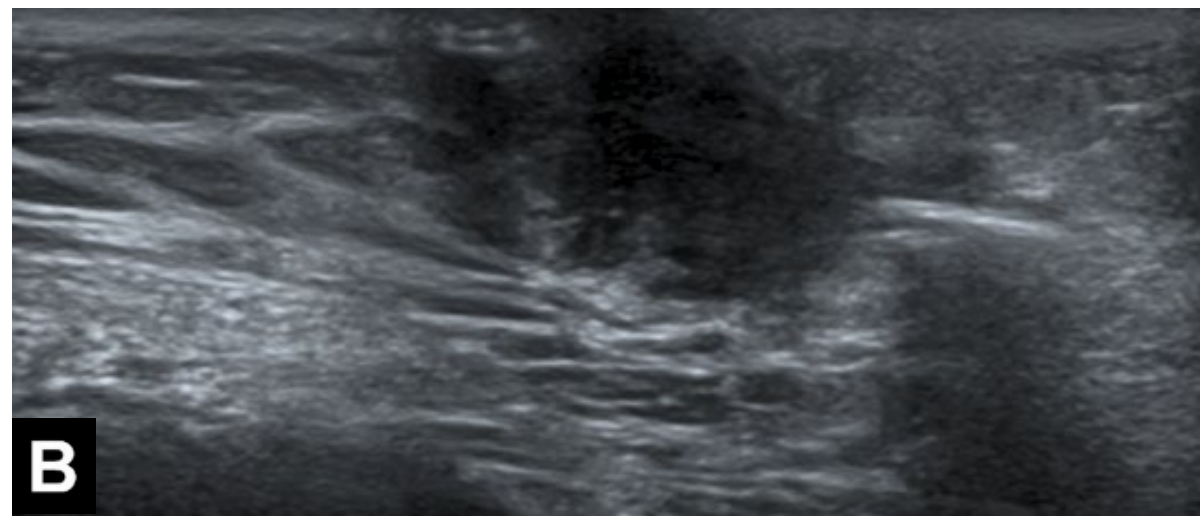
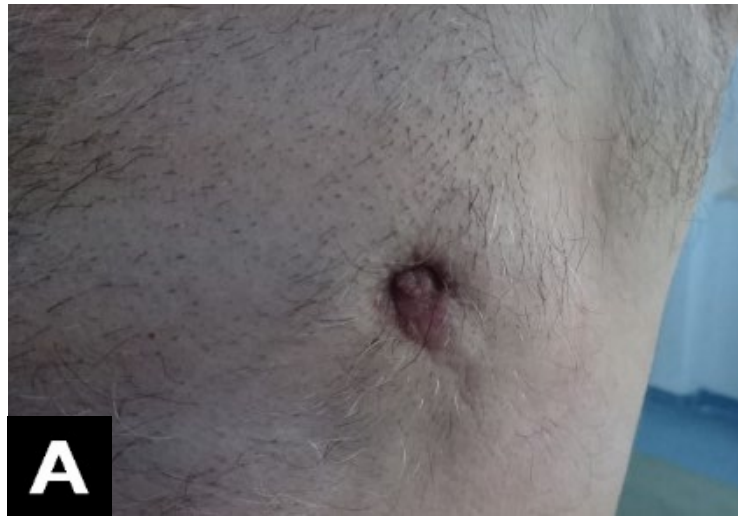
Leziune hipercaptanta si curba de tip II (initial captare urmata de faza de platou in faza tardiva a examinarii)

Patologia mamara la barbati - Ginecomastia



Aspect MM de ginecomastie (A, B) si CT la un barbat cunoscut cu ciroza (C).

Patologia mamara la barbati – Cancerul mamar



Carcinom mamar ductal la barbat – aspect macroscopic (A), US (B) si MM (C).