

Vyšetrenie prsníkov elektroimpedančným mamografom MEIK

EC Certificate No. 13 0227 QS/NB /council Directive 93I42IEEc /

Meno pacienta:

Dátum narodenia: 1.1.1973

Dátum vyšetrenia: 19.3.2014

Charakteristika vyšetrenia: Elektroimpedančný mamograf je založený na metóde elektroimpedančnej tomografie. Je určený na vizualizáciu a diagnostiku patologických zmien prebiehajúcich v tkanivách mliečnej žľazy. Chorobné zmeny mliečnej žľazy majú elektrickú vodivosť, t.j. schopnosť viesť elektrický prúd, ktorý sa značne líši od elektrickej vodivosti zdravého tkaniva. Elektroimpedančný počítačový mamograf umožňuje vizualizovať rozdelenie elektrickej vodivosti biologických tkanív v niekoľkých priečných rezoch sledovanej časti prsníka pacientky a identifikovať tak patológiu na získaných zobrazeniach. Chorobné zmeny sa dajú identifikovať už na bunkovej úrovni, t.j. v značnom predstihu oproti ostatným vyšetrovacím metódkám.

Popis elektroimpedančnej mamografie:

.P.: V parenchýme P prvú ložiskové a infiltratívne zmeny nepozorovať. Hypoplázia parenchýmu prsníka.

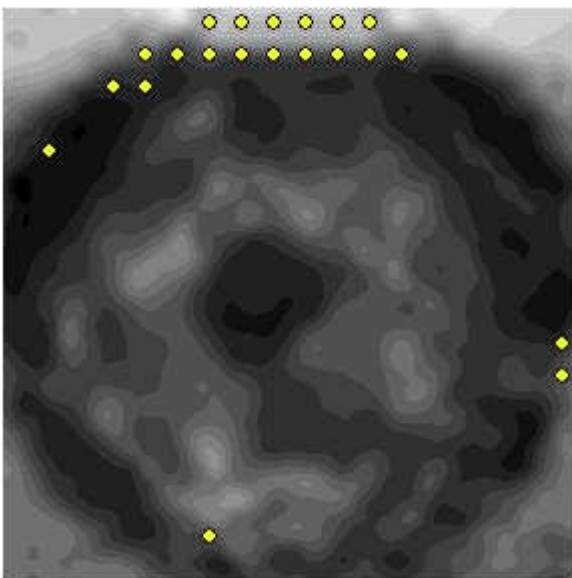
P.P.: V parenchýme PP prvú ložiskové a infiltratívne zmeny nepozorovať. Hypoplázia parenchýmu prsníka.

Záver: V parenchýme oboch prsníkov prvú ložiskové ani infiltratívne zmeny nepozorovať. Hypoplázia parenchýmov oboch prsníkov.

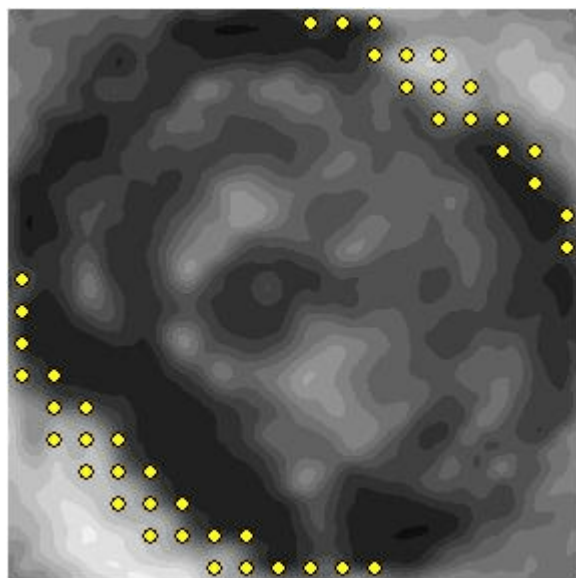
BI-RADS 1

Doporučujeme: kontrola o rok

Ľavý prsník



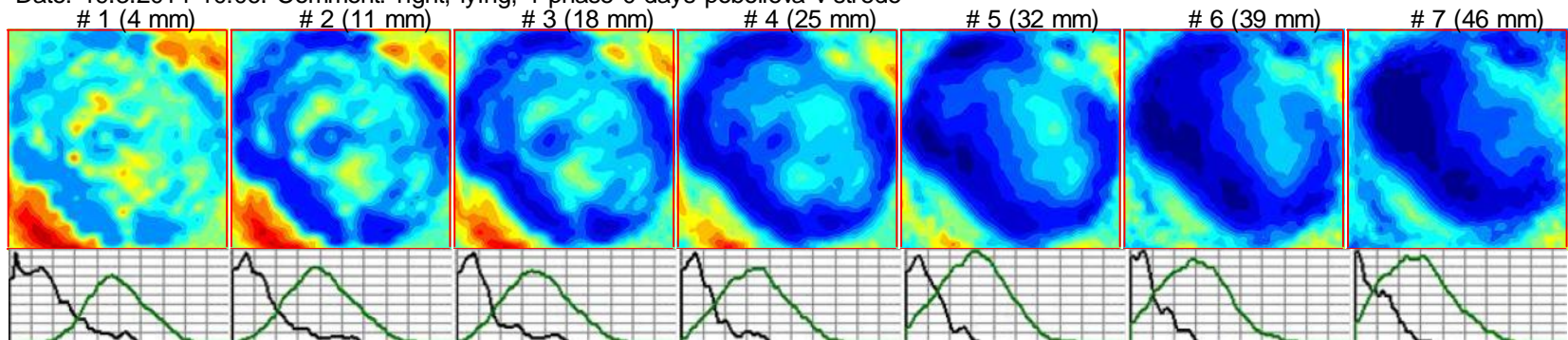
Pravý prsník



Name: Code: 730101

Phase 1

Date: 19.3.2014 10:06. Comment: right, lying, 1 phase 0 days pobolieva v strede



Hist: X=0.0 12.2, Y=0.0 12.2 (12.2, 12.2) sm

Measurement 1

Mean = 0.19	Mean = 0.08	Mean = 0.05	Mean = 0.01	Mean = -0.02	Mean = -0.03	Mean = -0.04
R.M.S.D. = 0.13	R.M.S.D. = 0.15	R.M.S.D. = 0.14	R.M.S.D. = 0.13	R.M.S.D. = 0.12	R.M.S.D. = 0.13	R.M.S.D. = 0.14
Min. = 0.02	Min. = -0.14	Min. = -0.17	Min. = -0.20	Min. = -0.24	Min. = -0.24	Min. = -0.27
Max. = 0.65	Max. = 0.62	Max. = 0.53	Max. = 0.45	Max. = 0.36	Max. = 0.32	Max. = 0.37
Extremum = 0.02	Extremum = 0.06	Extremum = 0.10	Extremum = 0.05	Extremum = 0.05	Extremum = 0.00	Extremum = 0.02

Norm

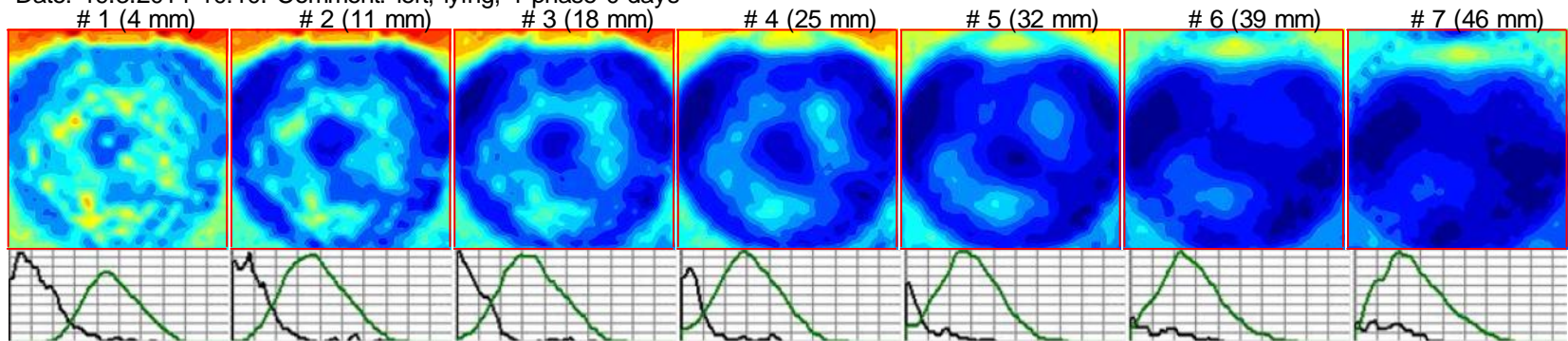
Mean = 0.51	Mean = 0.42	Mean = 0.38	Mean = 0.35	Mean = 0.32	Mean = 0.31	Mean = 0.30
R.M.S.D. = 0.14	R.M.S.D. = 0.16	R.M.S.D. = 0.15	R.M.S.D. = 0.15	R.M.S.D. = 0.16	R.M.S.D. = 0.16	R.M.S.D. = 0.16
Min. = 0.12	Min. = 0.01	Min. = -0.00	Min. = -0.04	Min. = -0.04	Min. = -0.06	Min. = -0.05
Max. = 1.12	Max. = 1.04	Max. = 1.02	Max. = 0.98	Max. = 0.94	Max. = 0.92	Max. = 0.85
Extremum = 0.00	Extremum = 0.00	Extremum = 0.33	Extremum = 0.00	Extremum = 0.29	Extremum = 0.29	Extremum = 0.00

Dist. discr.=76.92% Dist. discr.=67.28% Dist. discr.=67.07% Dist. discr.=66.58% Dist. discr.=65.99% Dist. discr.=62.66% Dist. discr.=59.30%

Name: Code: 730101

Phase 1

Date: 19.3.2014 10:10. Comment: left, lying, 1 phase 0 days



Hist: X=0.0 12.2, Y=0.0 12.2 (12.2, 12.2) sm

Measurement 1

Mean = 0.15	Mean = 0.04	Mean = -0.00	Mean = -0.04	Mean = -0.07	Mean = -0.09	Mean = -0.10
R.M.S.D. = 0.14	R.M.S.D. = 0.15	R.M.S.D. = 0.14	R.M.S.D. = 0.13	R.M.S.D. = 0.12	R.M.S.D. = 0.13	R.M.S.D. = 0.14
Min. = -0.05	Min. = -0.20	Min. = -0.24	Min. = -0.26	Min. = -0.28	Min. = -0.27	Min. = -0.27
Max. = 0.70	Max. = 0.71	Max. = 0.64	Max. = 0.47	Max. = 0.42	Max. = 0.43	Max. = 0.40
Extremum = 0.05	Extremum = 0.08	Extremum = 0.03	Extremum = 0.05	Extremum = 0.00	Extremum = 0.00	Extremum = 0.08

Norm

Mean = 0.49	Mean = 0.39	Mean = 0.36	Mean = 0.32	Mean = 0.30	Mean = 0.29	Mean = 0.28
R.M.S.D. = 0.13	R.M.S.D. = 0.15	R.M.S.D. = 0.15	R.M.S.D. = 0.15	R.M.S.D. = 0.15	R.M.S.D. = 0.16	R.M.S.D. = 0.16
Min. = 0.13	Min. = -0.00	Min. = -0.03	Min. = -0.04	Min. = -0.08	Min. = -0.10	Min. = -0.11
Max. = 1.11	Max. = 1.07	Max. = 0.96	Max. = 0.98	Max. = 0.94	Max. = 0.91	Max. = 0.84
Extremum = 0.00	Extremum = 0.00	Extremum = 0.00	Extremum = 0.00	Extremum = 0.00	Extremum = 0.22	Extremum = 0.00

Dist. discr.=81.84% Dist. discr.=71.66% Dist. discr.=72.95% Dist. discr.=67.50% Dist. discr.=56.85% Dist. discr.=38.53% Dist. discr.=35.14%

The protocol of electroimpedance mammography examination

Name: Code: 730101 Age: 41 years Phase 1 Address:

Image	Left gland	Right gland
1.Contour deformation (segment)	no	no
2.Contour hyperimpedance	no	no
3.Electroimpedance anatomy	not changed	not changed
4.Internal structures displacement (segment)	no	no
5.Local changes of conductivity (segment)	no	no
6.Hyperimpedance contour around the mass	no	no
7.Lacteal sinus zone	not represented	not represented
Measurement	Left gland	Right gland
1.Mean conductivity index	0.04	0.08
2.Distrib. discrep. between left and right glands	7.86%	
3.Distrib. discrep. between the gland and norm	64.92% shift left	58.32% shift left
4.Local changes of conductivity		

Conclusion

Late reproductive period.

Recommend.