

Signs in MR-Mammography

Bearbeitet von
Werner A Kaiser

1st ed. 2008. Corr. 2nd printing 2008. Buch. xiv, 386 S. Hardcover

ISBN 978 3 540 73292 1

Format (B x L): 17 x 24,2 cm

[Weitere Fachgebiete > Medizin > Sonstige Medizinische Fachgebiete > Radiologie,
Bildgebende Verfahren](#)

Zu [Leseprobe](#)

schnell und portofrei erhältlich bei

The logo for beck-shop.de features the text 'beck-shop.de' in a bold, red, sans-serif font. Above the 'i' in 'shop' are three red dots of increasing size. Below the main text, 'DIE FACHBUCHHANDLUNG' is written in a smaller, red, all-caps, sans-serif font.

beck-shop.de
DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

Contents

General Information	1
Sign 1 No enhancement	6
Sign 2 Slow wash-in	8
Sign 3 Medium wash-in	10
Sign 4 Fast wash-in	12
Sign 5 Plateau curve	14
Sign 6 Rising curve	16
Sign 7 Washout curve	18
Sign 8 Round shape	20
Sign 9 Oval shape	22
Sign 10 Lobulated shape	24
Sign 11 Irregular shape	26
Sign 12 Well-circumscribed margins	28
Sign 13 Irregular margins	30
Sign 14 Blooming sign	32
Sign 15 Constant sharpness sign	34
Sign 16 Homogeneous enhancement	36
Sign 17 Heterogeneous enhancement	38
Sign 18 Centrifugal enhancement	40
Sign 19 Centripetal enhancement	42
Sign 20 Dark internal septations	44
Sign 21 Enhancing internal septations	46
Sign 22 Segmental enhancement	48
Sign 23 Inflow enhancement	50
Sign 24 Regional unilateral enhancement	52
Sign 25 Multiple unilateral regional enhancement	54
Sign 26 Multiple bilateral regional enhancement	56
Sign 27 Diffuse unilateral enhancement	58
Sign 28 Diffuse bilateral enhancement	60
Sign 29 Stippled enhancement	62
Sign 30 Cobblestone enhancement	64

Sign 31	Reticular (dendritic) enhancement	66
Sign 32	Hypointensity on T2-weighted TSE images	68
Sign 33	Isointensity on T2-weighted TSE images	70
Sign 34	Hyperintensity on T2-weighted TSE images	72
Sign 35	Hook sign	74
Sign 36	Root sign	76
Sign 37	Pectoralis muscle invasion	78
Sign 38	Unilateral perifocal edema	80
Sign 39	Unilateral edema	82
Sign 40	Intact ligament sign	84
Sign 41	Disrupted ligament sign	86
Sign 42	Prepectoral unilateral edema	88
Sign 43	Intact nipple line	90
Sign 44	Disrupted nipple line	92
Sign 45	Unilateral precontrast high intraductal signal on T1-weighted images	94
Sign 46	Bilateral precontrast high intraductal signal on T1-weighted images	96
Sign 47	Nipple retraction	98
Sign 48	Asymmetric nipple enhancement	100
Sign 49	Diffuse unilateral skin thickening	102
Sign 50	Normal lymph nodes	104
Sign 51	Small round lymph nodes	106
Sign 52	Large lymph nodes	108
Sign 53	Pleural effusion < 7 mm	110
Sign 54	Pleural effusion > 7 mm	112
Sign 55	Eclipse sign	114
Sign 56	Signet ring sign	116
Sign 57	Shot-through sign	118
Sign 58	Unchanged enhancement curve	120
Sign 59	Changed enhancement curve	122
Sign 60	“Taller than wide” sign	124
Sign 61	“Wider than tall” sign	126
Sign 62	Punched-out sign	128
Sign 63	Bilateral symmetric edema	130
Sign 64	Skin retraction	132
Sign 65	Increased choline	134
Sign 66	ADC < $1.4 \times 10^{-3} \text{ mm}^2/\text{s}$	136
Sign 67	ADC > $1.4 \times 10^{-3} \text{ mm}^2/\text{s}$	138
Sign 68	Half-moon sign	140
Sign 69	Shrinking star sign	142
Sign 70	Clustered ring enhancement	144

Sign 71	Decrescendo sign	146
Sign 72	Crescendo sign	148
Sign 73	Staccato sign	150
Sign 74	Interrupted retroglandular fat layer	152
Sign 75	Continuous vessel sign	154
Sign 76	Antibiotic response sign	156
Sign 77	Antibiotic nonresponse sign	160
Sign 78	Vessel sign	162
Sign 79	Comet sign	164
Sign 80	Focal skin thickening	166
Sign 81	Permanent asymmetry of the breasts	168
Sign 82	Increasing asymmetry of the breasts	170
Sign 83	Precontrast signal too low	172
Sign 84	Precontrast signal too high	174
Sign 85	Maximum initial signal increase lower than the malignant threshold	176
Sign 86	Maximum initial signal increase within the malignant range	178
Sign 87	Maximum initial signal increase above the malignant threshold	180
Sign 88	Pseudocentric enhancement	182
Sign 89	Clip sign	184
Sign 90	Fat-water cyst	186
Sign 91	Unilateral hormone reversal sign	188
Sign 92	Bilateral hormone reversal sign	190
Sign 93	Hormone nonreversal sign	192
Sign 94	Intravascular contrast sign	194
Sign 95	Pectoralis pseudolesion	196
Sign 96	Tumor recovery sign	198
Sign 97	Incorrect shimming sign	200
Sign 98	Patchwork sign	202
Sign 99	Increased unilateral subcutaneous vascular density	204
Sign 100	Increased bilateral subcutaneous veins	206
Sign 101	Special STIR signal intensity pattern	208
Sign 102	Linguine sign	210
Sign 103	Pull-away sign	212
Sign 104	Keyhole sign	214
Sign 105	Extracapsular silicone sign	216
Sign 106	Pouch sign	218
Sign 107	Wavy line sign	220
Sign 108	Gel bleed sign	222
Sign 109	Focal ductal fluid sign	224
Sign 110	Two-chamber sign	226

Sign 111	Blood-water cyst	228
Sign 112	Blackberry sign	230
Sign 113	Tram lines	232
Sign 114	Fat separation sign	234
Sign 115	Bilateral pectoralis degeneration sign	236
Sign 116	Unilateral pectoralis atrophy sign	238
Sign 117	Intact retroglandular fat layer	240
Sign 118	STIR-selective perifocal edema	242
Sign 119	Border sign	244
Sign 120	Cross-talk sign	246
Sign 121	Unilateral subcutaneous rim enhancement	248
Sign 122	Intense peripheral rim on postcontrast STIR	250
Sign 123	Increased unilateral nipple enhancement	252
Sign 124	Small perifocal enhancement	254
Sign 125	Large perifocal enhancement	256
Sign 126	Dark heart sign	258
Sign 127	Unilateral subcutaneous edema	260
Sign 128	Stacked beads sign	262
Sign 129	Corona sign	264
Sign 130	Drapery sign	266
Sign 131	Crossing edema sign	268
Sign 132	Duct obstruction sign	270
Sign 133	Duct nonobstruction sign	272
Sign 134	Donut sign	274
Sign 135	Camouflage sign	276
Sign 136	Dissolving cancer sign	278
Sign 137	Melting candies sign	280
Sign 138	Constant candies sign	282
Sign 139	Bright T2w cancer	284
Sign 140	Enhancing pectoralis	286
Sign 141	Resolving edema sign	288
Sign 142	Recurrent border cancer	290
Sign 143	Bright round lymph nodes on T2-weighted TSE images	292
Sign 144	Normal cardiac and aortic enhancement	294
Sign 145	Increasing unilateral vessel sign	296
Sign 146	Increasing bilateral vessel sign	298
Sign 147	Lesion with high precontrast signal intensity	300
References		302