

PenPathProfiler™

a new dimension in breast imaging

The ProFiler instantaneously mines facility data and PenRad's national database for pathological outcome by matching abnormality attributes for mammography, ultrasound and breast MRI exams. Outcome and quantity are displayed for local and national databases.

As attributes of an abnormality are selected, the profiler button displays the count of matching abnormalities with pathological outcome. The button displays # of malignancies, # of benigns, and the total # of matching abnormalities in the database. The second line displays the quantities in PenRad's national database (right).

Left Breast Mammogram Abnormality Detailing : Christine Jade Anderson, 10/21/2008 13:00:06
Joanie A. Anderson DOB: 08/03/1935 AGE: 73 F PID: 823557 SSN: 470005355

Ab Type	Profile Ab	Assoc Calc	Assoc Findings	Consistent with	Impression & Recs
Multiple	Shape	Generic calcs	Archit distortio	Likely represents	<change bi-rads>
Varying in size	US/USC	Amorphous	Axillary adenop	Most likely	2 Benign
Mass	Lobulated	Branching	Brachy tube	Resembles	3 Probably benign
Mass solid	Oval	Coarse	Bx clip	w/differential dia	4 Suspicious abnorm
Mass part solid	Reniform	Large	Bx clips	Skin retraction	4a Susp ab - low
Mass skin	Round	Eggshell	Chest wall inva	Skin thicken	4b Susp ab - interme
	Margin	Fine	Gold Seed	Surgical clip	Carcinoma
	Circumscribed	Heterogeneous	Nipple retract	Surgical clips	Carcinoma know
	Indistinct	Indistinct	Hematoma	Trab thicken	Cluster of cysts
	Microlobulated	Large nodlike			Cyst
	Obscured	Layering	Corresponds with		Cyst Oil
	Spiculated	Linear	US	sz < US	DCIS
		Linear	MRI	sz < MRI	Fat necrosis
		Lucent-centered	Palpated	sz < palp	Fibroadenoma
		Milk of calcium	Pain	Tender	Fibroad. degener.
		Pleomorphic	Schrim.	Ductog.	Fibrocystic chang
		Equal density	Redness	Concom	Fibroglandular tis
		Fat containing	Rim	Not Prev Seen On	Fibrosis
		Cent lucent	Round	Clinical exam	Hemartoma
			Skin	Mammogram	Hematoma
				Ultrasound	Intramam node
					Lipoma
					Lymph node
					Mass Solid
					Mastitis
					Papillary lesion
					Post surg scar
					Prev lipase scar
					Prev biopsy
					Prev surgery
					Prev trauma
					Radial scar
					Seroma
					Skin lesion

Matching Statistical Information : Christine Jade Anderson, Penrad Main Clinic 10/21/2008 13:00:50
Joanie A. Anderson DOB: 08/03/1935 AGE: 73 F PID: 823557 SSN: 470005355

Matching Exam's Pathology Findings

Result	#Local	% of Result	#National	% of Result	Code	Finding
1 malign...	3	23.08%		%	IPC	Invasive, Invasive papillary carcinoma
2 malign...	2	15.38%	150	67.87%	ID	Invasive ductal carcinoma
3 malign...	2	15.38%	27	12.22%	IL	Invasive lobular carcinoma
4 malign...	1	7.69%	6	2.71%	CC	Invasive, Mucinous carcinoma
5 malign...	1	7.69%		%	COT	Cartilaginous and Osseous
6 malign...	1	7.69%		%	FS	Mesenchymal Tumors, Fibrosarcoma
7 malign...	1	7.69%		%	ICP	Intracystic Papillary Carcinoma
8 malign...	1	7.69%	1	.45%	MC	Invasive, Medullary carcinoma
9 malign...	1	7.69%		%	PIC	Invasive ductal carcinoma w/predominant int.
10 malign...		%	2	.9%	*	Other malignant
11 malign...		%	1	.45%	ADC	Invasive, Adenoid cystic carcinoma
12 malign...		%	13	5.88%	CI	Comedocarcinoma (Intraductal)
13 malign...		%	1	.45%	DCH	Intraductal carcinoma, high grade
14 malign...		%	2	.9%	DCIS	Ductal carcinoma in situ
15 malign...		%	2	.9%	DCL	Intraductal carcinoma, low grade
16 malign...		%	4	1.81%	DS	Noninvasive, Intraductal carcinoma
17 malign...		%	6	2.71%	II	Invasive and In-situ Cancer
18 malign...		%	2	.9%	NOS	malignant
19 malign...		%	4	1.81%	TC	Invasive, Tubular carcinoma
20 benign	2	40%		%	ADM	Adenoma
21 benign	1	20%	1	2.17%	ADH	Hyperplasia, Atypical ductal
22 benign	1	20%		%	LB	Lipoma of the Breast
23 benign	1	20%		%	LH	Hyperplasia, Lobular
24 benign		%	8	17.39%	*	Other benign
25 benign		%	3	6.52%	AD	Adenosis
26 benign		%	2	4.35%	AM	Apocrine Metaplasia

Print List Show Exams Exit Help

With a tap to the profiler button a sortable itemized list is displayed. Individual quantity percentages are listed for malignant and benign outcomes (left).

Matching Statistical Information : Christine Jade Anderson, Penrad Main Clinic 10/21/2008 13:01:39
Joanie A. Anderson DOB: 08/03/1935 AGE: 73 F PID: 823557 SSN: 470005355

Exams w/pathology: IPC - Invasive, Invasive papillary carcinoma

Date	Description	Patient Name	PID	Rad Name
1 09/12/2005	Mammogram	Steenerson, Mary M	8823988	Anderson, Christine, M.D.
2 09/12/2005	Ultrasound Examination	Steenerson, Mary M	8823988	Anderson, Christine, M.D.
3 09/19/2005	Mammogram	Carlson, Olive R	823616	Schultz, Kristine, M.D.
4 09/12/2005	Mammogram	Oshlein, Barbara Y	744807	Anderson, Christine, M.D.
5 05/18/2006	Mammogram	Fraser, Anne V	743669	Selz, Deanna, M.D.
6 12/14/1995	Mammography Examination	Lee, Judy P	73754	Anderson, Christine, M.D.
7 12/14/1995	Mammography Examination	Lee, Frakie P	73749	Pobbe, Robert, M.D.
8 10/17/2005	Mammogram	Bina, Faye Y	7101307	Anderson, Christine, M.D.
9 09/16/2005	Mammogram	Milani, Victoria A	3508741161	Anderson, Christine, M.D.
10 09/16/2005	Mammogram	Bode, Heidi W	1222914	Schultz, Kristine, M.D.

View patient priors Print List Show all exams with finding - unfiltered by procedure type or selections Show Findings Exit Help

As a pathological type is selected, matching exams are displayed. Selecting the show all exams clicker expands the search type to mammography, ultrasound and MRI exams (right). Tapping on the patient displays the patient's exam history (below).

Comparisons and Prior Exams : Christine Jade Anderson, Penrad Main Clinic 10/21/2008 13:03:14
Faye Y. Bina DOB: 01/14/1953 AGE: 55 F PID: 7101307 SSN: 470007029

Select Exam Report for Review

Date	Description	Recall	RS Proc#
1 11/05/2007	Right Ultrasound Biopsy, RESOLVED	Immediate follow-up	
2 11/01/2006	Bilateral Screening Mammography : bi-rads 1	1 year screening	
3 10/20/2005	Pathology	No Recall (discretio...	
4 10/17/2005	Left Stereotactic Core Biopsy , RESOLVED	Immediate follow-up	
5 10/17/2005	Bilateral Screening Mammogram: bi-rads 5, RESOLVED	Immediate follow-up	
6 10/14/2004	Bilateral Screening Mammography : bi-rads 1	1 year screening	
7 07/13/2004	Bilateral Screening Mammography : bi-rads 1	1 year screening	
8 05/19/2003	Bilateral Screening Mammography : bi-rads 1	1 year screening	
9 08/15/1997	Bilateral Screening Mammography : bi-rads 4, RESOLVED	Immediate follow-up	

View Full Preview Print Notes-Yes Exit Help

If enabled, tapping the export to workstation button enables our PenFetch module to bring matching exam images to the reading workstation for further research and/or investigation.

PenRad™
the mammography information solutions provider

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