

PenSpeak Module

PenRad's Mammography Information System offers the PenSpeak dictation module that allows recording of complicated studies or findings and tracking points for transcription.

The radiologist voice is recorded through the hand-held Phillips Speech Mike with convenient pause, record, fast forward and rewind buttons with integrated playback speaker to create a wave file. The file is available for transcription on the network.

When the transcription is proofed, the recorded wave file can be heard.

PenRad offers the SpeechMike and a playback footswitch for the transcriptionist.

Features:

Local or offsite transcriptionist - allows transcription, proofing on network.

Digital recording - no need for tape transportation or misplacement.

250,000 word spell check dictionary - facilitates medical words and additions.

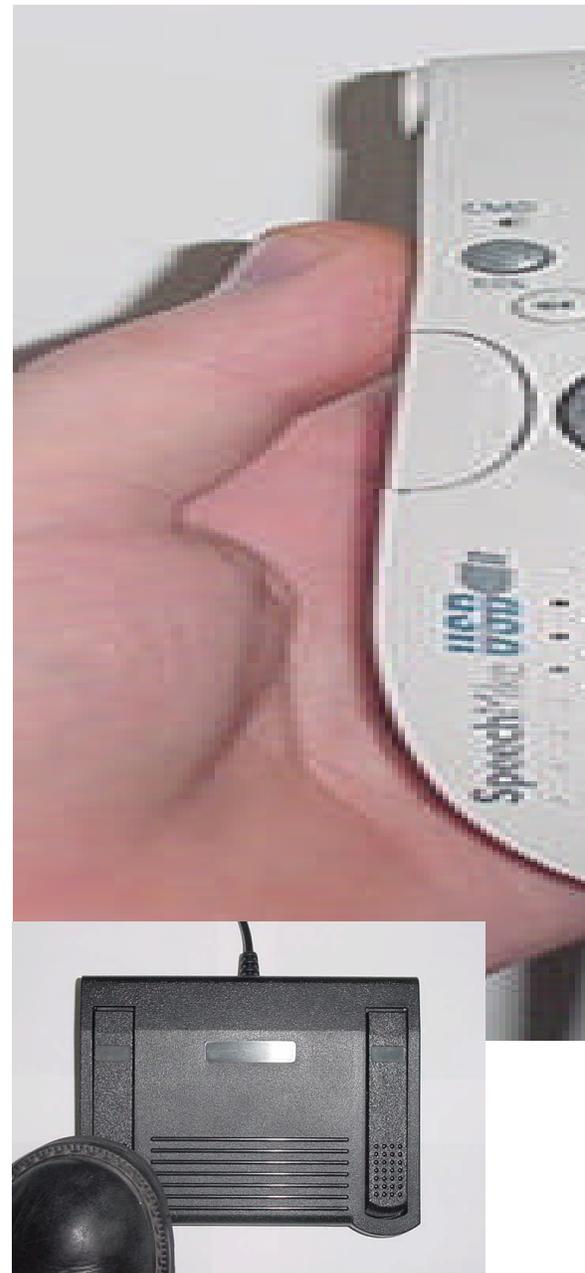
Integrated approach - facilitates radiologists that prefer dictation over standardized narrative report generation.

Reduced turnaround - no wait for receipt of tapes or transferring of files.

Improves HIPAA compliance - no distribution of report necessary with patient data for approval.

Automated correlation of transcription to imaging study - saves time, work and increases accuracy.

Study notification - provides notification of study status: dictated, transcribed, transcription approved, etc...



Modify or Specify Report to be Dictated		8/27/2002 11:35:07
Cathy O. Cameron DOB: 12/12/1958 AGE: 43 F PID: 223236390 SSN: 223236390 CHT: ACCT:		
Phrases	BILATERAL SCREENING MAMMOGRAM: 8/27/2002	
Findings	Comparison is made to exam dated: 8/13/2001 PenRad Clinic. The tissue of both breasts is heterogeneously dense. This may lower the sensitivity of mammography. No significant masses, calcifications, or other findings are seen in either breast.	
Phrases	NEGATIVE MAMMOGRAM	00:00:0
Impressions and/or Recommendations	There is no mammographic evidence of malignancy. A 1 year screening mammogram is recommended.	
Initials:	<input type="checkbox"/> Dictated, approve after transcribed	<input type="checkbox"/> Revert to Penrad report
<input type="button" value="Spell Check"/> <input type="button" value="Preview"/>		
<input type="button" value="Approve"/> <input type="button" value="Approve, print now"/> <input type="button" value="Approve, need 2nd read"/> <input type="button" value="Exit"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>		

Radiologist Operation:

During the exam, if additional or complete dictation is necessary, radiologist taps the record button on SpeechMike and voice is automatically captured for transcription.

Radiologist can playback or edit.

SpellCheck button is provided to proof spelling.

Radiologist Operation Continued:

When report has been transcribed, notification of exam status is updated to transcribed status on the radiologist work list.

Report Preview - Mammography Report 8/27/2002 13:20:29
 Cathy O. Cameron DOB: 12/12/1958 AGE: 43 F PID: 223236390 SSN: 223236390 CHT: ACCT:

Plymouth, MN 55441
 Phone: (612)520-2980 Fax: (763)475-2815

BILATERAL SCREENING MAMMOGRAM: 8/27/2002
 CLINICAL: Annual Screening

Comparison is made to exam dated: 8/13/2001 PenRad Clinic.
 The tissue of both breasts is heterogeneously dense. This may lower the sensitivity of mammography.
 No significant masses, calcifications, or other findings are seen in either breast.

IMPRESSION: NEGATIVE MAMMOGRAM
 There is no mammographic evidence of malignancy.
 A 1 year screening mammogram is recommended.

The patient was notified of the results.

Christine Anderson M.D.
 ca/8/27/2002 13:18:38

Imaging Technologist: Dee Ann Anderson RT(R)(M), PenRad Clinic
 letter sent: Mammography Normal
 BI-RADS: 1 Negative 76092 v76.10

IF AGREE
 Commit (& Print) Exam

Buttons: All, Go Edit Exam, Approve, Proc/Diag Codes, View PreExam, Close, Re-dictate

Scheduled Patients							8/27/2002 13:19:44	
Pos	Status	Patient Name	PID	DOB	Date	Procedure		
4		Austen, Judy B	710081933	10/02/1938	08/27	Bilateral, screening		
5	Complete	Diadolato, Jaima Q	223240629	06/06/1947	08/26	Bilateral, screening		
6	Printed	Bagne, Ardlth Q	223234880	09/09/1963	08/26	Bilateral, screening		
7	Printed	Bakken, Audrey P	743853	10/12/1920	08/26	Bilateral, screening		
8		Bergman, Lynne V	7101118	10/05/1957	08/27	Bilateral, screening		
9	Printed	Boehnlein, Laureen W	751792	12/06/1946	08/26	Bilateral, screening		
10	Printed	Bogusz, Roni R	56334	06/02/1958	08/26	Bilateral, screening		
11	Printed	Bolduc, Laverne P	7100513	10/06/1958	08/27	Bilateral, screening		
12		Bozzell, Peonie T	3805	11/16/1926	08/27	Bilateral, screening		
13	Printed	Bucolo, Cheryl Q	745450	12/11/1928	08/27	Bilateral, screening		
14	Prel/Cmtd	Busby, Christine B	745500	09/11/1928	08/21	Bilateral, screening		
15	Complete	Cacy, Nila E	0235	01/01/1931	08/26	Bilateral, screening		
16	Transcribed	Cameron, Cathy O	223236390	12/12/1958	08/27	Bilateral, screening		
17	Transcribed	Childers, Connie Q	745723	01/11/1929	08/15	Bilateral, screening		
18	Printed	Crandall, Catherine Y	745246	12/11/1927	08/26	Bilateral, screening		
19	Printed	Davis, Connie J	745737	04/11/1929	08/26	Bilateral, screening		
20	Path/Rqd	Decker, Winifred L	102380	09/01/1918	08/01	Bilateral, screening		
21	Printed	Deppisch, Gokdy A	748775	05/08/1938	08/26	Bilateral, screening		

Buttons: Print List, Edit Film Position, Show All Owners, Short/Fast, Full, Print, Manual Refresh, Appointments, Next Films, PreExam, Set Status, Delete, Edit Patient, Imaging, Close, Help

When exam is selected for transcription review/approval, radiologist views transcription and approves exam for distribution - printing, fax, etc. If editing is necessary,

radiologist taps edit button to change. Voice playback and redictate during review process is also available. Exams that do not have tracking points entered, will be signified by the status code - tracking required. Tracking points may be entered by radiologist, transcriptionist or mammography coordinator based on facility's preference.

Transcriptionist Operation:

From the transcriptionist work list, when an exam is selected, the direct voice file is available for playback via the footswitch or keyboard keystrokes to control voice file (play, rewind, fast forward). Report can be spell checked, suspended and or completed for approval.

Modify or Specify Report to be Dictated 8/27/2002 13:40:22
 Cathy O. Cameron DOB: 12/12/1958 AGE: 43 F PID: 223236390 SSN: 223236390 CHT: ACCT:

Phrases: BILATERAL SCREENING MAMMOGRAM: 8/27/2002

Findings:
 Comparison is made to exam dated: 8/13/2001 PenRad Clinic.
 The tissue of both breasts is heterogeneously dense. This may lower the sensitivity of mammography.
 No significant masses, calcifications, or other findings are seen in either breast.

Phrases: NEGATIVE MAMMOGRAM

Impressions and/or Recommendations:
 There is no mammographic evidence of malignancy.
 A 1 year screening mammogram is recommended.

Initials: Save But Exit Without Completion

Buttons: Revert to PenRad report, Spell Check, Preview, Complete/Await Approval, Exit, Cancel, Help

Exams Requiring Transcription 8/27/2002 13:18:59

R	Patient Name	PID	DOB	Date	Exam Num	Radiologist	
1	Cameron, Cathy O	223236390	12/12/1958	08/27/2002		Anderson, Christine	Bila

Buttons: Page Up, Page Down, Sort By: Name, PID, Exam Date, Radiologist, Transcribe, Transcribed Externally, Edit Patient, Close, Help, Print List

PenRad continues to provide "more" than just mammography reporting and tracking system. The best gets even better.

Phillips and SpeechMike are registered names and trademarks of their respective owners. PCs require soundcard, USB and or headset capabilities.

Copyright PenRad Technologies, Inc. 1997-2003 07/02/2003 PN# 2797

FOR MORE INFORMATION CONTACT:

PenRad

10580 Wayzata Blvd., Suite 200
 Minnetonka, MN 55305
 Telephone: 763.475.3388
 Fax: 763.475.2815
 Web: www.penrad.com

...the mammography information specialists... setting the standards ...

PenRad Mammography System PenSpeak Module