

BIS Diagnostic Reporting Module

Click on “Diagnostic Reports” to view all diagnostic cases to be reported

The dashboard features a top navigation bar with a home icon, a dropdown menu for 'Radiologist', a location dropdown for 'Halifax: IWK', a help icon, and a user profile for 'MCCARTHY, SARAH'. Below this is a grid of eight buttons: 'Diagnostic Reports' (highlighted in red), 'View a Report', 'Edit Past Reports', 'Radiology Feedback', 'Billing', 'Daily Appointments', 'Rad Consults', and 'Report Card'. A vertical 'feedback' button is on the right. The footer includes 'Breast Imaging System (BIS)' and 'NS Breast Screening Program'.

To select a patient and report the case, click on the patient’s name from the list and then click on the blue “Report” button.

This interface shows a list of patients under the heading 'Diagnostic Breast Imaging (Unsigned) For Halifax: IWK, January 14, 2020'. The list includes: [WM-L] TEST CLIENT, TEST (04-06-1983) (highlighted in blue), [US-B] TEST CLIENT, TEST (04-06-1983), [DX-R] TEST, TEST (01-01-1960), and [CB-R] TEST, TEST (01-01-1960). To the right is a calendar for January 2020 with the 14th highlighted. Below the calendar are 'Report' and 'Return' buttons. A 'Show:' section has radio buttons for 'All Procedures' (selected), 'Mammos Only', 'Cores Only', 'Ultrasounds Only', and a checkbox for 'Incl. Signed Rpts'. A vertical 'feedback' button is on the right. The footer includes 'Breast Imaging System (BIS)' and 'NS Breast Screening Program'.

*Report not yet signed, or pathology not entered for cores. additional views available.
* Pink entries cannot yet be reported pending receipt of "Taken" or "EC" order.

There are five different options to choose from when reporting a case: Cancelled Exam, No Significant Findings, No Significant Findings - Customized, Quick Reports - Ineligible/ Implants/ Survivors, Significant Findings.

🏠
Radiologist
📍
IWK
❓

⚙️ MCCARTHY, SARAH

Diagnostic Mammo

Patient: GENTLEMAN, CHRISTINE
DOB: November 12, 1966 (54)
HCN: 0006-431-274 (NS)

PROCEDURE INFO	RISK FACTORS	CLINICAL RESULTS
Procedure: DX Mammo Conducted at: IWK Exam Date: 14-12-2020 Breast Side: Both Accession #: NS085	Past Diagnosis: No record of breast cancer. Age at 1st period: 0 # Pregnancies: 2 Family History: Yes Baseline: Unkn.	Technologist: SARAH MCCARTHY Observ.#1: No observation Observ.#2: (None entered) Observ.#3: (None entered) Addnl Views: None Impression: (None entered)

Tech. Comment: fam hist-mother

History: 14-12-2020: DX Mammo, Both, IW, (Result: None) ▼

Cancelled Exam

No Significant Findings

No Signif. Findings Customized

Quick Report Inelig, Implant, Surv.

Significant Findings

Reported through Meditech

Return

Cancelled Exam

Cancelled Exam

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Tech. Comment: fam hist-mother

History: 14-12-2020: DX Mammo, Both, IW, (Result: None) ▼

Cancelled Exam

No Significant Findings

No Signif. Findings Customized

Quick Report Inelig, Implant, Surv.

Significant Findings

Reported through Meditech

Custom note (up to 1000 chars):

Radiologist: (None) ▼

Resident: (None selected) ▼

Quit Without Saving

Delete & Start Over

Save & View Report

No Significant Findings

No Significant Findings

Patient: GENTLEMAN, CHRISTINE DOB: November 12, 1966 (54) HCN: 0006-431-274 (NS)

PROCEDURE INFO	RISK FACTORS	CLINICAL RESULTS
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Tech. Comment: fam hist-mother

History: 14-12-2020: DX Mammo, Both, IW, (Result: None) ▼

Cancelled Exam **No Significant Findings** No Signif. Findings Customized Quick Report Inelig, Implant, Surv. Significant Findings Reported through Meditech

Radiologist: (None) ▼ Resident: (None selected) ▼

Breast Density: NONE (Clear Selection)
 Almost entirely fatty
 Scattered areas of fibroglandular density
 Heterogeneously dense
 Extremely dense
 Not done: Unilateral mammogram
 Not applicable: Bilateral mastectomy
 Not applicable: Male
 Not applicable: Reconstructed mastectomy site

Images were compared to:
 Mar 27, 2019: NSBSP Screen , Both, Hfx Clinic (NM)
 Dec 4, 2017: NSBSP Screen , Both, Hfx Clinic (NM)
 Dec 6, 2016: NSBSP Screen , Both, Hfx Clinic (NM)
 Nov 4, 2015: NSBSP Screen , Both, Hfx Clinic (NM)
 Others
 Previous examinations not available

Risk Rating: (None Selected) ▼

NOTES:
#1: - None Selected - ▼
#2: - None Selected - ▼
#3: - None Selected - ▼

Custom note (up to 1000 chars): 0

MANAGEMENT OPTIONS (Age: 54)

<input type="checkbox"/> No immediate follow-up	<input type="checkbox"/> Breast MRI
<input type="checkbox"/> Deferral of Report	<input type="checkbox"/> Mastectomy Site
<input type="checkbox"/> Screening Mammography	<input type="checkbox"/> Refer to Breast Rounds
<input type="checkbox"/> Diagnostic Mammography	<input type="checkbox"/> Refer to Other Modality Report
<input type="checkbox"/> Ultrasound	<input type="checkbox"/> At Physician's Discretion
<input type="checkbox"/> Consultation	<input type="checkbox"/> ASAP Caveat
<input type="checkbox"/> Galactography	

Quit Without Saving Delete & Start Over **Save & View Report**

No Significant Findings - Customized

No Significant Findings - Customized

Patient: GENTLEMAN, CHRISTINE DOB: November 12, 1966 (54) HCN: 0006-431-274 (NS)

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Tech. Comment: fam hist-mother

History: 14-12-2020: DX Mammo, Both, IW, (Result: None) ▼

Radiologist: (None) ▼ Images were compared to:
Resident: (None selected) ▼ Mar 27, 2019: NSBSP Screen , Both, Hfx Clinic (NM)
 Dec 4, 2017: NSBSP Screen , Both, Hfx Clinic (NM)
 Dec 6, 2016: NSBSP Screen , Both, Hfx Clinic (NM)
 Nov 4, 2015: NSBSP Screen , Both, Hfx Clinic (NM)
 Others
 Previous examinations not available

FINDINGS

SHOW HINTS:

Exam type:
 Referral comment:
 Breast tissue density BI-RADS: (None Selected) ▼

Prior Core Biopsy? ▼
Prior Surgery? ▼
Benign Findings ▼

COMMENTS

Comparison with Previous: (None Selected) Clinical Assessment: (None Selected) Correlation: (None Selected)

Risk Rating: (None Selected) ▼

NOTES:
#1: - None Selected - ▼
#2: - None Selected - ▼
#3: - None Selected - ▼

Custom note (up to 1000 chars): 0

MANAGEMENT OPTIONS (Age: 54)

<input type="checkbox"/> No immediate follow-up	<input type="checkbox"/> Breast MRI
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<input type="checkbox"/> Screening Mammography	<input type="checkbox"/> Refer to Breast Rounds
<input type="checkbox"/> Diagnostic Mammography	<input type="checkbox"/> Refer to Other Modality Report
<input type="checkbox"/> Ultrasound	<input type="checkbox"/> At Physician's Discretion
<input type="checkbox"/> Consultation	<input type="checkbox"/> ASAP Caveat
<input type="checkbox"/> Galactography	

Quick Reports - Ineligible, Implants, Survivor

No Significant Findings - Quick Report

Patient: GENTLEMAN, CHRISTINE DOB: November 12, 1966 (54) HCN: 0006-431-274 (NS)

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Tech. Comment: fam hist-mother		

History: 14-12-2020: DX Mammo, Both, IW, (Result: None) ▾

-

Radiologist: (None) ▾

Resident: (None selected) ▾

- Breast Density:**
- NONE (Clear Selection)
 - Almost entirely fatty
 - Scattered areas of fibroglandular density
 - Heterogeneously dense
 - Extremely dense
 - Not done: Unilateral mammogram
 - Not applicable: Bilateral mastectomy
 - Not applicable: Male
 - No applicable: Reconstructed mastectomy site

Images were compared to:

- Mar 27, 2019: NSBSP Screen , Both, Hfx Clinic (NM)
- Dec 4, 2017: NSBSP Screen , Both, Hfx Clinic (NM)
- Dec 6, 2016: NSBSP Screen , Both, Hfx Clinic (NM)
- Nov 4, 2015: NSBSP Screen , Both, Hfx Clinic (NM)
- Others
- Previous examinations not available

Exam Type:

- NONE (Clear Selection)
- Previous breast cancer
- Higher-risk patient (Unspecified)
- Highest-risk Patient (Genetic Mutation or >=25%)
- Post benign surgical follow-up
- Post malignant surgical follow-up
- Work-up from other modality finding
- Post-core biopsy follow-up examination
- Prosthesis/Saline
- Prosthesis/Silicone
- 1st Post-Reduction Mammogram

Risk Rating: (None Selected) ▾

Custom note (up to 1000 chars): 0

MANAGEMENT OPTIONS (Age: 54)

- No immediate follow-up
- Screening Mammography
- Diagnostic Mammography
- Consultation
- Breast MRI
- Mastectomy Site
- At Physician's Discretion

Significant Findings

Significant Findings

Patient: GENTLEMAN, CHRISTINE

DOB: November 12, 1966 (54)

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Procedure: DX Mammo Conducted at: IWK Exam Date: 14-12-2020 Breast Side: Both Accession #: NS085	Past Diagnosis: No record of breast cancer. Age at 1st period: 0 # Pregnancies: 2 Family History: Yes Baseline: Unkn.	Technologist: SARAH MCCARTHY Observ.#1: No observation Observ.#2: (None entered) Observ.#3: (None entered) Addnl Views: None Impression: (None entered)

Tech. Comment: fam hist-mother

History: 14-12-2020: DX Mammo, Both, IW, (Result: None) ▼

- Cancelled Exam
- No Significant Findings
- No Signif. Findings Customized
- Quick Report Inelig, Implant, Surv.
- Significant Findings**
- Reported through Meditech

Radiologist: (None) ▼

Resident: (None selected) ▼

- Images were compared to:
- Mar 27, 2019: NSBSP Screen, Both, Hfx Clinic (NM)
 - Dec 4, 2017: NSBSP Screen, Both, Hfx Clinic (NM)
 - Dec 6, 2016: NSBSP Screen, Both, Hfx Clinic (NM)
 - Nov 4, 2015: NSBSP Screen, Both, Hfx Clinic (NM)
 - Others
 - Previous examinations not available

- ### FINDING
- Architectural Distortion
 - Asymmetries
 - Calcifications
 - Lymph node
 - Mass
 - Circumscribed mass
 - Solitary Dilated Duct
 - Skin lesion

<- Select an item from the list on the left.

ADDITIONAL OBSERVATIONS

SHOW HINTS:

- Exam type:
- Referral comment:
- Breast tissue density BI-RADS: (None Selected) ▼

Prior Core Biopsy? ▼

Prior Surgery? ▼

Benign Findings ▼

COMMENTS

- Comparison with Previous: (None Selected)
- Clinical Assessment: (None Selected)
- Correlation: (None Selected)

Risk Rating: (None Selected) ▼

NOTES:

- #1: - None Selected - ▼
- #2: - None Selected - ▼
- #3: - None Selected - ▼

Custom note (up to 1000 chars): 0

MANAGEMENT OPTIONS (Age: 54)

- No immediate follow-up
- Deferral of Report
- Screening Mammography
- Diagnostic Mammography
- Ultrasound
- Core Biopsy
- Consultation
- Wire Needle Localization
- Galactography
- Breast MRI
- Mastectomy Site
- Refer to Breast Rounds
- Refer to Other Modality Report
- At Physician's Discretion
- ASAP Caveat

Quit Without Saving

Delete & Start Over

Second Finding

Save & View Report

“Show Hints” functionality

Radiologist: (None)

Resident: (None selected)

Images were compared to:

- Dec 31, 2019: Inelig. Screen, Unknown, Sydney (None)
- Nov 26, 2019: Inelig. Screen, Both, Halifax: IWK (NM)
- Oct 30, 2019: Inelig. Screen, Both, Halifax: IWK (None)
- Oct 22, 2019: Implant Case , Both, Halifax: IWK (NM)
- Others
- Previous examinations not available

the breast tissue is almost entirely fatty

FINDINGS SHOW HINTS:

Exam type:

Referral comment:

Breast tissue density BI-RADS: Almost entirely fatty

When checked the “Show Hints” option allows users to view the option selected. This applies to all options under the following headers: Findings, Impression, and Management Options. When the option is selected a pop up box will appear previewing the statement that will be on the final report based on what was selected.

The preview is displayed for 5 seconds and then disappears. You do not have to wait for the pop box to disappear in order to make another selection.

If you do not want to see these previews then simply uncheck the “Show Hints” check box.

“Findings” header (No Significant Findings – Customized)

Exam type is used to indicate why the patient is having diagnostic imaging. When selected it appears on the final report under the “Introduction” header.

Referral comment is used to indicate why the patient has been referred for diagnostic imaging. This is most often used when a physician indicates a clinical concern. When selected it appears on the final report under the “Introduction” header.

Either an “Exam Type” or “Referral Comment” must be selected.

Breast tissue density BI-RADS is a mandatory field. There are three options to indicate when breast tissue density cannot be assessed: Not done – Unilateral mammogram, Not applicable – Bilateral mastectomy, Not applicable – Male. “Breast tissue density” is reported under the “Findings” header on the final report.

Prior Core Biopsy is a drop down menu that has four options to choose from: Post core biopsy changes, Biopsy-proven calcifications, Biopsy-proven circumscribed mass(es), and Biopsy-proven asymmetries. Each selection has multiple options to select from once the check box has been ticked off. All “Prior Core Biopsy” selections are reported under the “Findings” header on the final report.

Prior Surgery is a drop down menu that has seven options to choose from: Prosthesis examined, Post benign surgery changes, Post-surgery changes, Post lumpectomy changes, Mastectomy site examination, Reconstructed mastectomy site, Post radiation changes. Each selection has multiple options to select from once the check box has been ticked off. All “Prior Surgery” selections are reported under the “Findings” header on the final report.

Benign Findings is a drop down menu that has 6 options to choose from: No significant abnormality, Benign-appearing calcifications, Circumscribed mass(es), Tissue distribution, Intramammary lymph node(s), and Single dilated duct. Each selection has multiple options to select from once the check box has been ticked off. All “Benign Findings” selections are reported under the “Findings” header on the final report.

“Impression” header (No Significant Findings – Customized, Significant Findings)

Comparison with Previous is a drop down listing that has 6 options that produces canned statements discussing the comparison of current images with previous images.

COMMENTS	
Comparison with Previous	Clinical Assessment
(None Selected)	(None Selected)
(None Selected)	
Appeared since last exam	
Asymmetric management	
Compared to prev. films - Decrease	
Compared to prev. films - Increase	
Compared to prev. films - No change	
Compared to prev. films - Prev. finding no longer present	
Prior examinations requested	

Clinical Assessment is a drop down listing that has 4 options that produces canned statements about clinical findings.

Clinical Assessment	Correlate
(None Selected)	(None Selected)
(None Selected)	
Breast cancer risk assessment	
Clinical finding not evident	
Clinical follow-up recommended	
Complicated Clinical/Imaging Problem (Core)	
Complicated Clinical/Imaging Problem (No core)	
Consider Galactogram	
Does Not Qualify For Breast Screening MRI	
No cause for clinical finding/symptom	
Normal mammogram - Clinical management	
Normal mammogram - Surgical consult.	
Palpation-Guided Biopsy Caveat	

Correlation is a drop down listing that has two options that produces canned statements about correlation of clinical findings.

Correlation

(None Selected)

(None Selected)

Correlates with MRI

Correlates with US finding

Correlates with clinical finding (palpable)

Correlates with clinical finding (unspecified)

Correlates with mammogram

No ultrasound correlates to mammogram

Risk Rating

Breast imaging-reporting and data system (BI-RADS) is a classification system. BI-RADS was implemented to standardize risk assessment and quality control for mammography and provide uniformity in the reports for non-radiologist.

Risk Rating: (None Selected) ▼

(None Selected)

Notes:

#1: - None BI-RADS 0: Further consultation with colleagues - interdisciplinary meeting

#2: - None BI-RADS 0: Needs additional imaging and/or prior views for comparison

#3: - None BI-RADS 1: Negative study

BI-RADS 2: Benign findings

BI-RADS 3: Probably benign findings -- short interval follow-up suggested

BI-RADS 4A: Low suspicion of malignancy (>2% to <=10% likelihood). Biopsy recommended

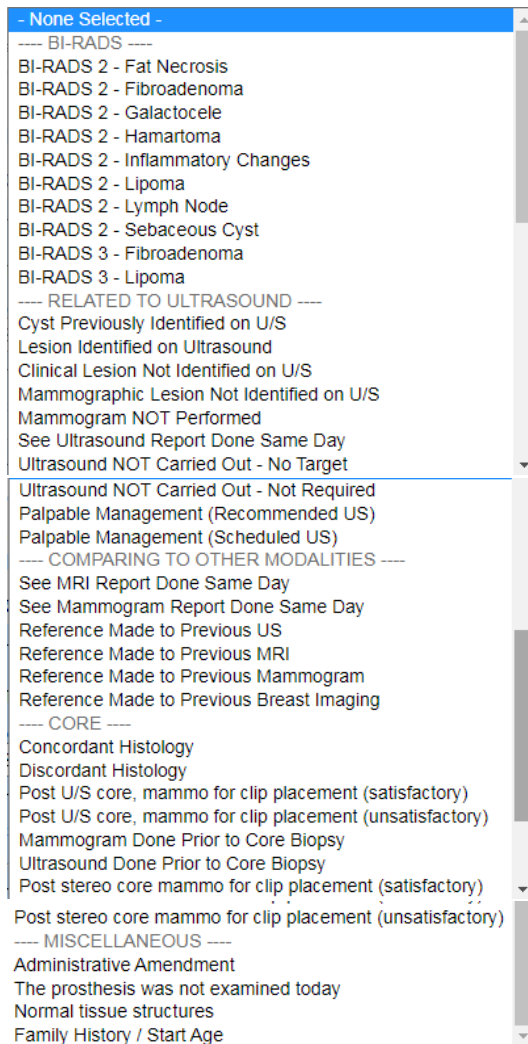
BI-RADS 4B: Moderate degree of suspicion (>10% to <= 50% likelihood). Biopsy recommended

BI-RADS 4C: High suspicion of malignancy (>50% to <95% likelihood). Biopsy recommended

BI-RADS 5: Highly suggestive of malignancy (>= 95% likelihood). Biopsy recommended

MANAGEMENT BI-RADS 6: Known biopsy-proven malignancy

Notes is a drop down listing of canned statements about normal/benign findings that can be documented in the patient's report. They are divided into five categories: BI-RADS, Related to Ultrasound, Comparing to Other Modalities, Core, MISC.



Custom Note

This text box can be used for complex cases where the synoptic options may not explain the noted findings.

The "Custom Note" text box is not to be used for management recommendations as these cannot not be proactively followed up on. Only synoptically reported management options selected under the "Management Options" will feed any the BIS Listings which are what is used to book patients proactively.

The "Custom note" text box is not to be used for indicating what views are to be done on a patient.

The “Custom note” text box is not to be solely used to record core pathology results. The core biopsy results have to be synoptically entered into the appropriate fields in the BIS core module. However additional comments about a patient’s core biopsy results can be made in the “Custom note” text box.

Management Options

Every report must have a management recommendation. These management options are what allow us to track and proactively book patients based on the recommendation.



MANAGEMENT OPTIONS (Age: 54)

<input type="checkbox"/> No immediate follow-up	<input type="checkbox"/> Breast MRI
<input type="checkbox"/> Deferral of Report	<input type="checkbox"/> Mastectomy Site
<input type="checkbox"/> Screening Mammography	<input type="checkbox"/> Refer to Breast Rounds
<input type="checkbox"/> Diagnostic Mammography	<input type="checkbox"/> Refer to Other Modality Report
<input type="checkbox"/> Ultrasound	<input type="checkbox"/> At Physician's Discretion
<input type="checkbox"/> Consultation	<input type="checkbox"/> ASAP Caveat
<input type="checkbox"/> Galactography	

These are the options under each header:

“No immediate follow-up”:

- No further Imaging
- Screening Age 40

“Deferral of Report” (no further options)

“Screening Mammography”:

- Unspecified
- 6 months
- 1 year
- 2 years
- 3 years
- 5 years
- Age 40
- Next Anniversary – 1 year
- Next Anniversary – 2 years

“Diagnostic Mammography”:

- Call-back -- Right
- Call-back -- Left
- Call-back -- Bilateral
- Call-back Tomo -- Right
- Call-back Tomo -- Left
- Call-back Tomo -- Bilateral

- 3 mo Follow-up -- Right
- 3 mo Follow-up -- Left
- 3 mo Follow-up – Bilateral
- 6 Month Follow-up -- Right
- 6 Month Follow-up -- Left
- 6 Month Follow-up – Bilateral
- 6 Months after Radiotherapy
- 6 Months after Radiotherapy and/or Surgery
- Surgical Specimen
- 6 Month Follow-up Post-Core -- Right
- 6 Month Follow-up Post-Core -- Left
- 6 Month Follow-up Post-Core -- Bilateral
- 1-year Follow-up
- 2- year Follow-up
- 3-year Follow-up
- 4-year Follow-up
- 5-year Follow-up
- Next Anniversary – 1 Year
- Next Anniversary – 2 years

“Ultrasound”:

- Call-back -- Right
- Call-back -- Left
- Call-back -- Bilateral
- Right Breast
- Left Breast
- 6-week Follow-up Ultrasound
- 3 Months (Right)
- 3 Months (Left)
- 3 Months (Bilateral)
- 6 Months (Right)
- 6 Months (Left)
- 6 Months (Bilateral)
- 6-month Post-Core Ultrasound
- 1-year Recheck
- Surgical Specimen

“Consultation”:

- Surgical
- Surgical Post Benign Core
- Surgical Post Benign Core – Optional
- Surgical Post Malignant Core
- Surgical Post ADH
- Surgical Post Lobular Neoplasia

- Surgical Post Radial Scar
- Surgical Procedure
- Surgical – Nipple Discharge
- Medical

“Galactography”:

- Right Nipple
- Left Nipple
- Both Nipples
- Conditional

“Breast MRI”:

- Eligible for high-risk screening
- Unspecified
- 6 months From Now
- Silicone Breast Implant Assessment
- 1 year

“Mastectomy site”:

- Bilateral mastectomy - no imaging
- Bilateral mastectomy – imaging
- Unilateral mastectomy – limited imaging

“Refer to Breast Rounds” (no further imaging)

“Refer to Other Modality Report”:

- Refer to mammography report
- Refer to ultrasound report
- Refer to MRI report

“At Physician’s Discretion” (no further imaging)

“ASAP Caveat” (no further imaging)