

MITRE / FLUX NOTES **SELECTED CONCEPTS v14 (CONTEXT TRAY)**  
EDWIN CHOI, DANIEL REEVES, JUHAN SONIN, 16.MAY.2018





## NOTE EDITOR CONTEXT TRAY INTERACTIONS



Dr. Jraker299 referred ms. Debra24 Hernandez98Aj due to pain in left breast. Dr. Jraker299 is ms. Debra24 Hernandez98Aj's primary care physician for 12 years.

## Summary



Ms. Debra24 Hernandez98Aj is a 51-year-old menopausal non hispanic or latino woman with invasive ductal carcinoma of the breast, diagnosed on 13 January 2012. Her most recent status, recorded on 15 May 2017, is of worsening, disease progression based on pathology, imaging, and symptoms.

She underwent a lumpectomy. She underwent a sentinel lymph node biopsy on 20 September 2012 which revealed infiltrating poorly differentiated ductal carcinoma, stage IV, estrogen receptor 0, etc.

diagnostic mammogram on 4 October 2013 revealed a 2 cm mass in the right breast at 7 o'clock and an

## Follow-up

10 April 2018

Dr. Free2 Will

Dana Farber Cancer Institute

Close

B I U

Invasive ductal carcinoma of the breast > staging

## History of Present Illness

Ms. Hernandez98Aj is a 43-year-old premenopausal Hispanic woman who recalls an unremarkable mammogram December 3, 2015. She recalls feeling a sharp pain the right breast about 8 months later, and feeling a palpable lump two months after that. A diagnostic mammogram on August 13, 2017, revealed a 2 cm mass in the right breast at 7 o'clock and an indeterminate lymph node in the right axilla, 13 mm.

She underwent neoadjuvant cyclophosphamide (ddAC) followed by Taxol (T) from October 20, 2017 to February 23, 2018. Taxol was dose reduced to 60mg/m<sup>2</sup> for the last 2 cycles and stopped after 11 doses due to neuropathy. She received 11 of 12 planned doses.

She underwent right lumpectomy with Dr. Ford on March 12, 2018. Pathology report on March 16, 2018 showed no residual disease, 0/2 SLNs, pathological complete response pCR.

## 1 Assessment

I believe Ms. Ortiz is a good candidate for #enrollment #PA

I assess #staging #T0

Remove unfilled elements and sign



Search shortcuts

Templates

Snippets

Suggested

Context

Node size

#N0

#N1mi

#N1

#N2

#N3

Metastasis

#M0

#M1

Invasive ductal car...

#disease status

#toxicity

#ER

#PR

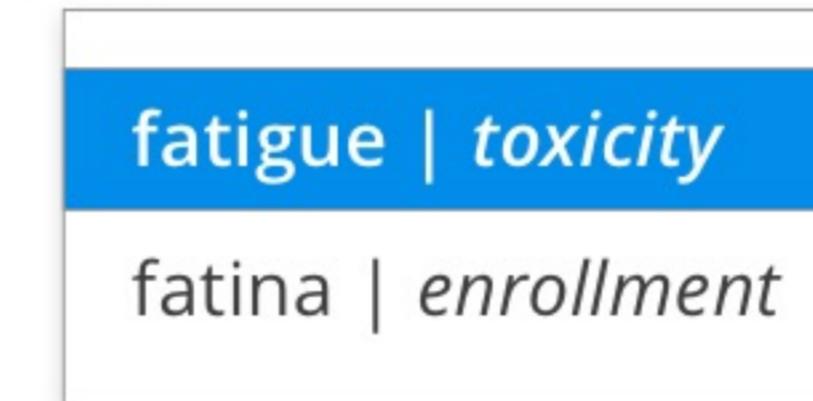
#HER2

@HPI

Remove note

## Infer missing tags using SHR structure

she is experiencing #toxicity fat



There may be multiple open contexts within the paragraph. Ensure the user knows which context they are capturing for by displaying them in the dropdown choices.



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Search shortcuts

Templates

Snippets

Suggested

Context

Grade

#Grade 1

#Grade 2

#Grade 3

#Grade 4

#Grade 5

Attribution

#Treatment

#Disease

#Error

#Unrelated

#Unknown

Invasive ductal car...

#disease status

#toxicity

#ER

#PR

#HER2

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Remove note



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#N0

#N1mi

#N1

#N2

#N3

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#M0

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Invasive ductal car...

#disease status

#toxicity

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Summary

Timeline

Medication

Allergies

Labs

Social

Disease status



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 Close

Encounter data summary

16 elements captured

Patient

Enrollment

PATINA

05/11/2018

Invasive ductal carci...

Staging

Stage IIA

T0

N1

Toxicity

Anemia

Grade 1

Treatment

Disease status

Progressing

Physical exam

Markers

5/16/2018

## Reason for Visit

Follow-up regarding Invasive ductal carcinoma of the breast

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## Assessment

 Remove unfilled elements and sign

Alternative encounter  
data summary designs



Encounter data summary

16 elements captured

Patient

Enrollment

PATINA

05/11/2018

Invasive ductal carci...

Staging

Stage IIA

T0

N1

Toxicity

Anemia

Grade 1

Treatment

Disease status

Progressing

Physical exam

Markers

5/16/2018



Encounter data summary

16 elements captured

Patient

Enrollment

PATINA

5/11/2018

Invasive ductal carci...

Staging

Stage IIA

T0

N1

Toxicity

Anemia

Grade 1

Treatment

Disease status

Progressing

Physical exam

Markers

5/16/2018



Encounter data summary

16 elements captured

Patient

Enrollment PATINA

5/11/2018

Invasive ductal carci...

Staging Stage IIA

T0

N1

Toxicity Anemia

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Treatment

Disease sta... Progressing

Physical exam

Markers

5/16/2018

2

## VIEWING DATA SUMMARY IN PREVIOUS NOTE



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Follow-up  
2 August 2017

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47 previous notes

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Sort by most recent

2 Aug 2017  
Clinical follow-up

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20 Jun 2017  
Clinical follow-up

Dr. Free2 Will  
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14 May 2017  
Clinical follow-up

Dr. Free2 Will  
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8 May 2017  
Clinical follow-up

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Summary

Timeline

Medication

Allergies

Labs

Social

Disease status

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She underwent right breast mass core biopsy and right axillary lymph node core biopsy on November 29, 2015 which revealed infiltrating poorly differentiated ductal carcinoma, grade 3, estrogen receptor 0, progesterone receptor weakly positive 1% to 4%, HER2 was negative 0%, and Ki-67 ranged 85% to 95%. Right axillary lymph node was negative for malignancy. Stage IA T1c N0 M0 disease. BRCA1/2 testing was negative.

In preparation for treatment, a Port-A-Cath was placed on January 13, 2015. TTE done on January 15, 2015 showed normal systolic function, with ejection fraction 60-65% and trace mitral regurgitation.

Encounter data summary

Captured

All

Captured data: 12

Patient

Biopsy

November 29, 2015

Invasive ductal carci...

Staging

Stage III

T0

N2

ER

Negative

HER2

Negative

Ki-67

85% - 95%



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## Encounter data summary

Captured

All

Captured data: 21

## Patient

Ms. Hernandez98Aj  
Hispanic  
Woman

Mammogram  
March 3, 2013

Mammogram  
November 13, 2015

Ultrasound  
November 29, 2015

Biopsy  
November 29, 2015

## Invasive ductal carci...

Staging  
Stage III  
T0  
N2

ER  
Negative

HER2  
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Ki-67  
85% - 95%



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Close



## Encounter data summary

Captured  All

Captured data: 21

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Ms. Hernandez98Aj  
Hispanic  
Woman

Mammogram  
March 3, 2013

Mammogram  
November 13, 2015

Ultrasound  
November 29, 2015

Biopsy  
November 29, 2015

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Staging  
Stage III  
T0  
N2

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HER2  
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## ALTERNATIVE UI FOR DATA SUMMARY MODE



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## Assessment

0 captured



Remove unfilled elements and sign

Encounter data summary

15 elements captured

Patient

Enrollment

PATINA

05/11/2018

Invasive ductal carci...

Staging

Stage IIA

T0

N1

Toxicity

Anemia

Grade 1

Treatment

Disease status

Progressing

Physical exam

Markers

5/16/2018



Summary

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Timeline

## Summary



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Medication

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Social

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Captured  All

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Patient

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March 3, 2013Mammogram  
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