

MITRE / FLUX NOTES **CONCEPTS v15.5(edited)** - Assorted Concepts and Revisions

DANIEL REEVES, EDWIN CHOI, JUHAN SONIN, 21.Feb.2019



I

REVISION: EXTENDED SOURCE INFORMATION (edited)



Debra24 Hernandez98Aj

Date of birth
5 Apr 1967 (51)Admin. sex
FemaleLocation
Boston, MAROID
12345432312Condition
invasive ductal carcinoma of breast ▾

Debra24 search...

+



Reason

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.

Summary

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.

Imaging
Conditions

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

Procedures Invasive ductal carcinoma of breast

Labs

| procedure | date(s) | clinician |
|----------------------------|-------------------------|-------------------|
| Mammography | 14 April 2019 | Dr. Radi Logy |
| Lumpectomy | 31 Aug 2013 | Dr. Freedom Brown |
| Sentinel lymph node biopsy | Aug 2013 | Dr. Freedom Brown |
| + insert "Lumpectomy" | Jun 2013 to 27 Jul 2013 | Dr. Joan Llvery |
| Radiation therapy | Dec 2012 | Dr. Radi Logy |
| Mammogram | | |

Medications

Pathology
Genetics
Allergies

Timeline

Treatment
Options

command is from a list such as:
“open source note”
“open surgical note”
“open consult note”
“open related note”
“view source information”
For the last, where there is no note but rather source information, open a small popup (instead of the modal dimming the screen.)

procedure ordered by Judy Smith332 on 24 Dec 2012 to be performed at other hospital within two weeks.



2

2

REVISION: POC FLOW (edited)

goals

- maximize exposed interactive elements
- minimize elements without information
- avoid the confusing and awkward “one at a time” interface



Date of birth
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Admin. sex
Female

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Boston, MA

ROID
12345432312

Language
English

Condition
invasive ductal carcinoma of breast ▾

Debra24 search...

+
Reason

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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 Elements are open or closed.

M Collapse as many elements as necessary to fit them all on the screen. Eliminate the “one at a time” method, closed elements are not editable, but a single click opens them. Replace the summary with instructional text if there is no data captured yet.

We base our treatment decisions 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

Progress note

signed by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

Close



@

1



disease status

| Status | Complete response | Complete resection | Responding | Stable | Progressing | Inevaluable |
|--------|-------------------|--------------------|------------|--------|-------------|-------------|
|--------|-------------------|--------------------|------------|--------|-------------|-------------|

| Rationale (select multiple) | Pathology | Imaging | Markers | Symptoms | Physical exam |
|--------------------------------|-----------|---------|---------|----------|---------------|
|--------------------------------|-----------|---------|---------|----------|---------------|

Reference Date

As of Date

staging

| Status | Complete response | Complete resection | Responding | Stable | Progressing | Inevaluable |
|--------|-------------------|--------------------|------------|--------|-------------|-------------|
|--------|-------------------|--------------------|------------|--------|-------------|-------------|

| Rationale (select multiple) | Pathology | Imaging | Markers | Symptoms | Physical exam |
|--------------------------------|-----------|---------|---------|----------|---------------|
|--------------------------------|-----------|---------|---------|----------|---------------|

Reference Date

As of Date

enrollment

missing data

expand to complete



Delete note

1 incomplete

3 Placeholder

Sign note

Date of birth
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Debra24 search...

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S Collapse if necessary

When the user opens an element, higher elements are closed to make space.

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

Progress notesigned by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

Close



@

1

**disease status**

| Status | Complete response | Complete resection | Responding | Stable | Progressing | Inevaluable |
|--------|-------------------|--------------------|------------|--------|-------------|-------------|
|--------|-------------------|--------------------|------------|--------|-------------|-------------|

| Rationale (select multiple) | Pathology | Imaging | Markers | Symptoms | Physical exam |
|--------------------------------|-----------|---------|---------|----------|---------------|
|--------------------------------|-----------|---------|---------|----------|---------------|

Reference Date As of Date

> staging

missing data

[expand to complete](#)**enrollment**

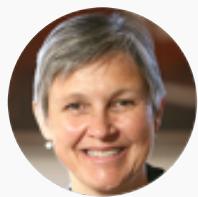
| Trial title | PATINA | PALLAS |
|-------------|--------|--------|
|-------------|--------|--------|

Enrolled on [Delete note](#)

1 incomplete

3 Placeholder

Sign note



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Progress notesigned by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

disease status

Status Complete response Complete resection Responding

Rationale (select multiple) Pathology Imaging Markers Symptoms Physical exam

Reference Date select a date

As of Date Nov. 28, 2018

staging

Status Complete response Complete resection Responding Stable Progressing Inevaluable

Rationale (select multiple) Pathology Imaging Markers Symptoms Physical exam

Reference Date select a date

As of Date Nov. 28, 2018

> enrollment

Trial title Patina

Enrolled on: 15 Jan 2019

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

syn Summarize when there is data

She After data is captured, the summary shows in the closed state. The user can click anywhere in the row to open the element again and edit the selections.

in the right breast at 7 o'clock and an

Check for satisfaction

After all data is captured, the done box is checked. The user can check it earlier to collapse the section, and leave the checkmark as a visual indicator that you are done.

@ 1



done:

Delete note

1 incomplete

3 Placeholder

Sign note

3

REVISION: SHORTCUTS TRAY

goals

- avoid confusion in the shortcuts tray
- keep search available

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Progress note

signed by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

Close

Templates
Shortcuts
Placeholders

Search shortcuts

@age
 @gender
 @dateofbirth
 @name
 @patient
 @age
 @gender
 @dateofbirth
 @name
 @b
 @c
 @d
 @e
 @f
 @g
 @h
 @i
 @j
 @k
 @l
 @m
 @n
 @o
 @p
 @q

static window

Summary



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

scroll window

Delete note

1 incomplete

3 Placeholder

Sign note

4

CONCEPT: CAPTURE OF REVIEW OF SYSTEMS

goals

- permit capture in both the narrative #shortcut method and GUI
- remain flexible for different kinds of ROS (many systems, specific condition, one system)
- flexible to support increasing complexity from simple yes-no questionnaire to capturing specific symptoms to capturing follow-up details.



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+
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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

Progress note

signed by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

X Close

B / U ≡ 1 2 3 |

> Reason for Visit

Debra has requested a visit after complaints of pain that prevent her from ...

> Oncology History

Debra is a 51 year old Female diagnosed invasive ductal carcinoma of the ...

▼ Review of Systems

A review of #respiratory and #neurological systems was performed. Patient reports #shortness of breath #starting 8 April 2018, with #frequency #daily. She reports #headaches #starting 8 April 2018, with #frequency #constant, located #bodysite #forhead. She reports #intensity 4, and | .

> Allergies

no allergies

▼ Medications

imatinib 100 mg capsule QD started 10 Aug 2017...

Templates
Shortcuts
Placeholders

Search shortcuts

headache - intensity
#increasing
#decreasing

ROS - headache
#end
#radiating
#denies

ROS
#10Point
#cardiovascular
#GI
#Const
#MS
#Integ

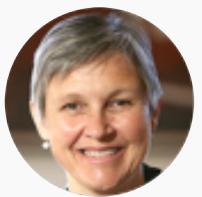
Patient
@patient
@age
@gender
@dateofbirth
@name
...

>Delete note

1 incomplete

3 Placeholder

Sign note

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Debra24 search...

+
Reason

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Flexible

Summary
The user can select what reviews to include. Then each review has a set of symptoms to choose from. After a symptom is selected, the follow up details are selectable below.

Ms. Debra2
51-year-old
hispanic or
invasive du
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

Progress notesigned by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

X Close

ROS▼ **Reviews** neurological, respiratory**All Systems (14 point)****Clear**

constitutional

constitutional

constitutional

breast cancer

cardiovascular

cardiovascular

cardiovascular

✓ neurological

neurological

neurological

✓ respiratory

ENT

ENT

GI

GI

neurological

headaches

double
vision

weakness

balance

dizziness

tremor

change in
sensation

show more ...

enter symptom

respiratory

night
sweats**shortness of
breath**prolonged
cough

wheezing

sputum
production

pleurisy

show more ...

enter symptom

> shortness of breath

start:

8 April 2018

frequency: daily

intensity:

4, increasing

Delete note

1 incomplete

3
Placeholder

Sign note

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5 Apr 1967 (51)Admin. sex
FemaleLocation
Boston, MAROID
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EnglishCondition
invasive ductal carcinoma of breast

Debra24 search...

+
Reason

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Follow up details

Sum ROUGH concept of how the different types of follow up questions can be collected in a POC style.

Ms. D

51-ye

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

Progress note

signed by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

Close

ROS

> Reviews respiratory

respiratory

night
sweatsshortness of
breathprolonged
cough

wheezing

sputum
production

pleurisy

show more ...

enter symptom

shortness of breath

denies

edit defaults

timing

start: 2 days ago

end: days ago

time of day:

frequency

continuous minute hour day month on trigger: activity

increasing decreasing

character

severity: 1 2 3 4 5 6 7 8 9 10
bothersome debilitating worst possible

descriptive: _____

location

body site: enter body location

right left bilateral radiating moving

context

related symptoms headaches

Delete note

1 incomplete

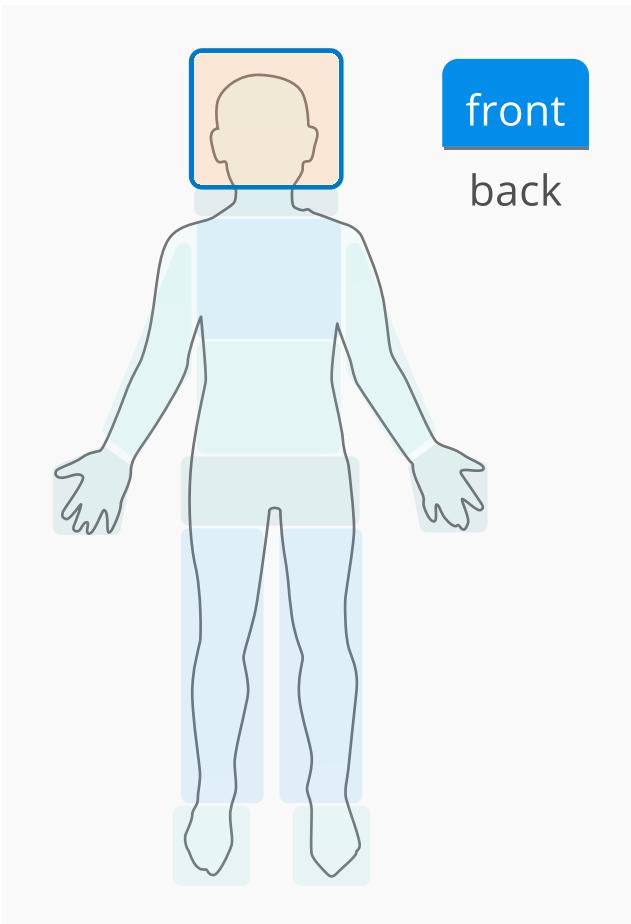
3 Placeholder

Sign note

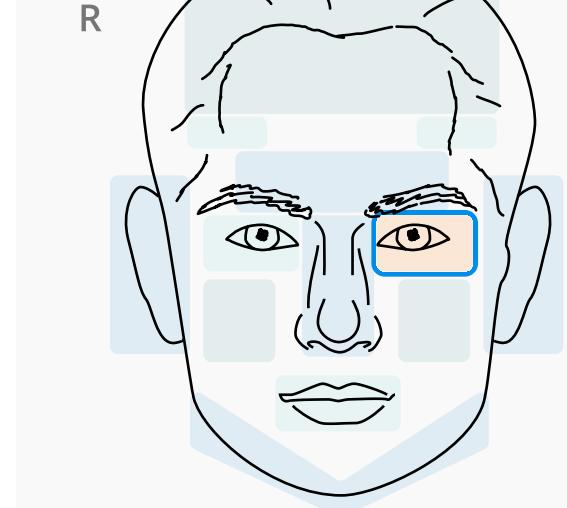
Future concepts

A graphical interface like this may be suitable for a collaborative scenario.

Location



head | front



5 CONCEPT: DISPLAY OF REVIEW OF SYSTEMS

goals

- organize by system or condition
- prioritize positive results
- support multiple ROS instances
- support follow up detail



+

Reason

Review of Systems Gastrointestinal stromal tumor

Summary

🕒 3 Mar 2017 Author: Debra24 Hernandez98Aj (patient) 2 of 14 positive

| | |
|----------------|--|
| Constitutional | weakness (start 3 Apr, mild, continuous) |
|----------------|--|

| | |
|----|--|
| GI | vomiting (start 2 Apr, mild, daily, nighttime) |
|----|--|

| | | | |
|------|----------|------|----------|
| Eyes | negative | Skin | negative |
|------|----------|------|----------|

| | | | |
|--------------------|----------|----|----------|
| Ears, Nose, Throat | negative | MS | negative |
|--------------------|----------|----|----------|

| | | | |
|----------------|----------|-------|----------|
| Cardiovascular | negative | Psych | negative |
|----------------|----------|-------|----------|

| | | | |
|-------------|----------|-----------|----------|
| Respiratory | negative | Endocrine | negative |
|-------------|----------|-----------|----------|

| | | | |
|----|----------|------------|----------|
| GU | negative | Heme/Lymph | negative |
|----|----------|------------|----------|

| | | | |
|----|----------|---------|----------|
| MS | negative | Breasts | negative |
|----|----------|---------|----------|

Flexible

If systems aren't identified, but it is a flat list of questions, simply list the questions.

Imaging Conditions

Labs

Disease Status

Medications

> 29 Jan 2017 Author: Joyce Byers111 1 of 2 positive

> 23 Dec 2016 Author: Joyce Byers111 1 of 3 positive

> 15 Dec 2016 Author: Silvia Perez221 0 of 14 positive

Timeline

1-4 entries of 23

Prev 1 2 3 ... 6 Next

Treatment Options

⑥ CONCEPT: NEW NOTE FLOW (edited)

goals

- guide the user through the process of starting a new note from a template or from scratch.
- avoid screen clutter while initializing a note



Date of birth
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Female

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Condition
invasive ductal carcinoma of breast ▾

+

Reason

Summary

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Conditions

Labs

Disease
Status

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Pathology

Genetics
Allergies

Timeline

Treatment
Options

Review of Systems Gastrointestinal stromal tumor

3 Mar 2017 Author: Joyce Byers111 2 of 14 positive

Constitutional weakness (start 3 Apr, mild, continuous)

GI vomiting (start 2 Apr, mild, daily, nighttime)

| | | | |
|------|----------|------|----------|
| Eyes | negative | Skin | negative |
|------|----------|------|----------|

| | | | |
|--------------------|----------|----|----------|
| Ears, Nose, Throat | negative | MS | negative |
|--------------------|----------|----|----------|

| | | | |
|----------------|----------|-------|----------|
| Cardiovascular | negative | Psych | negative |
|----------------|----------|-------|----------|

| | | | |
|-------------|----------|-----------|----------|
| Respiratory | negative | Endocrine | negative |
|-------------|----------|-----------|----------|

| | | | |
|----|----------|------------|----------|
| GU | negative | Heme/Lymph | negative |
|----|----------|------------|----------|

| | | | |
|----|----------|---------|----------|
| MS | negative | Breasts | negative |
|----|----------|---------|----------|

> 29 Jan 2017 Author: Joyce Byers111 1 of 2 positive

> 23 Dec 2016 Author: Joyce Byers111 1 of 3 positive

> 15 Dec 2016 Author: Silvia Perez221 0 of 14 positive

1-4 entries of 23

Prev 1 2 3 ... 6 Next

Debra24 search...



+ New note

Sort by most recent ▾

+ Search filters

47 previous notes

2 Aug 2017
Clinical follow-up

Dr. Free2 Will
Dana Farber Cancer Insti...

20 Jun 2017
Clinical follow-up

Dr. Free2 Will
Dana Farber Cancer Insti...

14 May 2017
Clinical follow-up

Dr. Free2 Will
Dana Farber Cancer Insti...

8 May 2017
Clinical follow-up

Dr. Free2 Will
Dana Farber Cancer Insti...

View 10 more clinical notes
from 2015 - 2017

Date of birth
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FemaleLocation
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invasive ductal carcinoma of breast ▾

Debra24 search...

+
Reason

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blank note

Search templates

Clinical follow-up

designed by
Dr. Free2 Will, Feb 2017

Initial consult

designed by
Dr. Free2 Will, Apr 2016

there is space to have more description of the templates. That could be really handy as templates become more complex.



Sign note

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Debra24 search...

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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

condition
invasive ductal carcinoma of breast

fracture

✖ Cancel

Reason for Visit

Debra has requested a visit following up on @condition after complaints of pain in her right breast.

Oncology History

@oncohist

Review of Systems

An #ROS of #respiratory and #neurological systems was performed. Patient ...

Allergies

no allergies

Medications

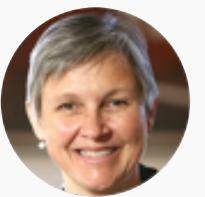
imatinib 100 mg capsule QD started 10 Aug 2017...

Clean

Remove elements that aren't meaningful during note generation, such as the note header.



Sign note

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

condition invasive ductal carcinoma of breast fracture

✖ Cancel ✓ Confirm

Reason for Visit
Debra has requested a visit following up on invasive ductal carcinoma of breast after complaints of pain in her right breast.

Oncology History
Ella Ortiz111 is a 43 year old Female. Patient was diagnosed with Invasive ductal...

Review of Systems
An #ROS of #respiratory and #neurological systems was performed. Patient ...

Allergies
no allergies

Medications
imatinib 100 mg capsule QD started 10 Aug 2017...



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Debra24 search...

+

Reason

Dr. Iraker299 referred ms. Debra24

Handling many fill-ins

The relevant next section is expanded, and all other sections are collapsed. If necessary, the note is also scrolled to the location of the fill-in.

Summary

Imaging

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| | | | | | |
|------------|-------------------------------------|------------|----------------------------|-------------------|----------------------------|
| condition | invasive ductal carcinoma of breast | fracture | | | |
| procedure | mammography (20 Sep 2018) | lumpectomy | sentinel lymph node biopsy | radiation therapy | mammography (29 Dec. 2017) |
| medication | med A | med B | | | |

✖ Cancel ✓ Confirm

Summary



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

Debra has requested a visit following up on invasive ductal carcinoma of breast after...

> Oncology History

Ella Ortiz111 is a 43 year old Female. Patient was diagnosed with Invasive ductal...

> Review of Systems

An #ROS of #respiratory and #neurological systems was performed. Patient ...

Allergies

no allergies

> Medications

imatinib 100 mg capsule QD started 10 Aug 2017...

> Plan

We discussed effects of @active medication on her daily life.

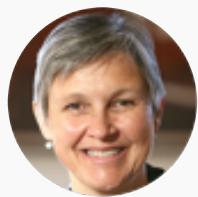
Sign note

7

CONCEPT: KEYBOARD NAVIGATION

goals

- make tools that Flux Notes offers accessible more often and from the keyboard



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Treatment
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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

Progress note

signed by: Dr. Bran24 Michel09A
source: Dana Farber Cancer Institute

signed date: 10 April 2018

Close

B / U ≡ 1 2 3 |

> Reason for Visit

Debra has requested a visit after complaints of pain that prevent her from ...

> Oncology History

Debra is a 51 year old Female diagnosed invasive ductal carcinoma of the ...

> Review of Systems

An #ROS of #respiratory and #neurological systems was performed. Patient reports #shortness of breath #starting 8 April 2018, with #frequency #daily. She reports #headaches #starting 8 April 2018, with #frequency #constant, located #bodysite #forhead. She reports #intensity 4, and | .

> Allergies

no allergies

> Medications

imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment

Di

disease status

stop medication

"tab to autocomplete"

The user hits tab to activate the autocomplete. This is very natural in many contexts, including coding environments. It would be very helpful when completing captures omitting # signs, because currently you get no help from autocomplete without # signs..

Delete note

1 incomplete

3 Placeholder

Sign note

Debra24 search...

Reason
Summary
Imaging
Conditions
Labs
Disease Status
Medications
Pathology
Genetics
Allergies
Timeline
Treatment Options

Templates
Shortcuts
Placeholders

Search shortcuts

invasive ductal carcinoma...
#disease status
#toxicity
#staging
@a
@b
@c
@d
@e
...

Patient
@patient
@age
@gender
@dateofbirth
@name
...

Date of birth
5 Apr 1967 (51)Admin. sex
FemaleLocation
Boston, MAROID
12345432312Language
English

Condition

invasive ductal carcinoma of breast

Debra24 search...

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Assessment

"keyboardable shortcut tray"

The user hits shift-tab or shift-enter (some good keyboard shortcut) to utilize the tooltray as a shortcut selector with the keyboard.

+ □ @ ① ⚡

Templates
Shortcuts
Placeholders

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invasive ductal carcinoma...

#disease status

#toxicity

#staging

@a

@b

@c

@d

@e

...

Patient

@patient

@age

@gender

@dateofbirth

@name

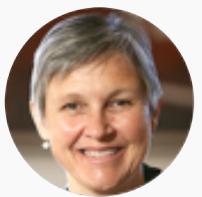
...

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> Medications

imatinib 100 mg capsule Q

after making a selection, the cursor returns to the end of the inserted shortcut (as it currently does)

Assessment

disease status |

Delete note

1 incomplete

3

Placeholder

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▼ Medications

imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment

"tab to tray"

One alternative is that the tab brings the cursor to the "search shortcus" field first. The user can keyboard down into the shortcuts or begin typing a search phrase. Although this combines the functionalities of the two previous ideas with one keyboard shortcut, it introduces additional cursor jumping.

Delete note

1 incomplete

3 Placeholder

Sign note

+ □ @ ① ⚡

Templates
Shortcuts
Placeholders

sta

invasive ductal carcinoma...
#disease status
#staging



+

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Summary

Procedures

Vitals

Labs

Disease status

Medication

Pathology

Treatment options

Summary



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✖ Close



🔍 Search shortcuts

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Shortcuts

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@age
@gender
@dateofbirth
@name
...

Allergies

no allergies

Medications

imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment

disease status is complete response as evidenced by imaging, as of Nov. 28, 2018.

| | | | |
|----------------|----------------------------------|----------------------------|-----------------------|
| disease status | clear formatting | autoformat | close |
|----------------|----------------------------------|----------------------------|-----------------------|

| | | | | |
|--------|--------------------|--------------------------|------------|--------|
| Status | complete resection | complete response | responding | stable |
|--------|--------------------|--------------------------|------------|--------|

| | | | | |
|--|-------------|-------------|--|--|
| | progressing | inevaluable | | |
|--|-------------|-------------|--|--|

| | | | | | |
|--------------------------------|-----------|---------|---------------|---------|----------|
| Rationale (select multiple) | pathology | imaging | physical exam | markers | symptoms |
|--------------------------------|-----------|---------|---------------|---------|----------|

| | | | | | |
|----------------|-------------------------------|--|--|--|--|
| Reference Date | select a date | | | | |
|----------------|-------------------------------|--|--|--|--|

| | | | | | |
|------------|-------------------------------|--|--|--|--|
| As of Date | Nov. 28, 2018 | | | | |
|------------|-------------------------------|--|--|--|--|

She is exhibiting severe vomiting, likely due to the imatinib (#toxicity #grade 2 #treatment)

Plan

We discussed clinical trials. [enrollments](#)

Delete note

1 incomplete

2 Placeholder

Sign note

8

CONCEPT: CODE SEARCH INTERACTION

goals

- design an interaction that is consistent with the rest of Flux Notes
- sufficiently differentiate this search from autocomplete, as it has a different feel and function
- avoid additional keystrokes to learn (such as \$)

function

While within the **#diagnosis of** context, the user finds for a ICD-10 condition using a textual search, and inserts a numeric code.

This is a special input, different from autocompleting a shortcut phrase.

precedent

It is most similar to other special inputs, such as the **#date** or **#to** (in designs).

solution

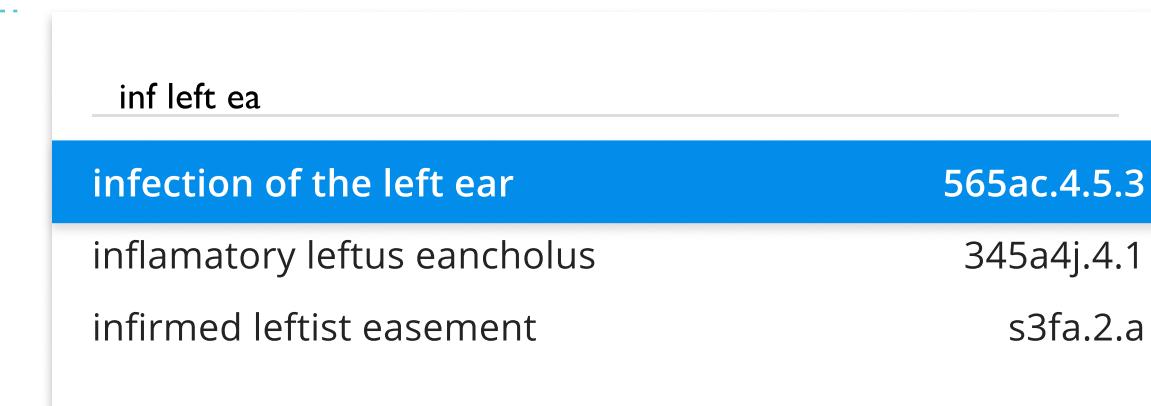
Create a new special input that is opened using a shortcut such as **#code**.

If **#diagnosis of** contains no other shortcuts, the **#code** could be skipped. The speical input opens immediately.

The special input contians a search box and a list of results.

Assessment

The patient suffers from an acute ear infection, **#diagnosis of #code**



Assessment

The patient suffers from an acute ear infection, **#diagnosis of infection of the left ear (565ac.4.5.3)**