

# MITRE / FLUX NOTES **CONCEPTS v16.4** – Several Revisions and Iterations

DANIEL REEVES, JUHAN SONIN, 5.Apr.2019



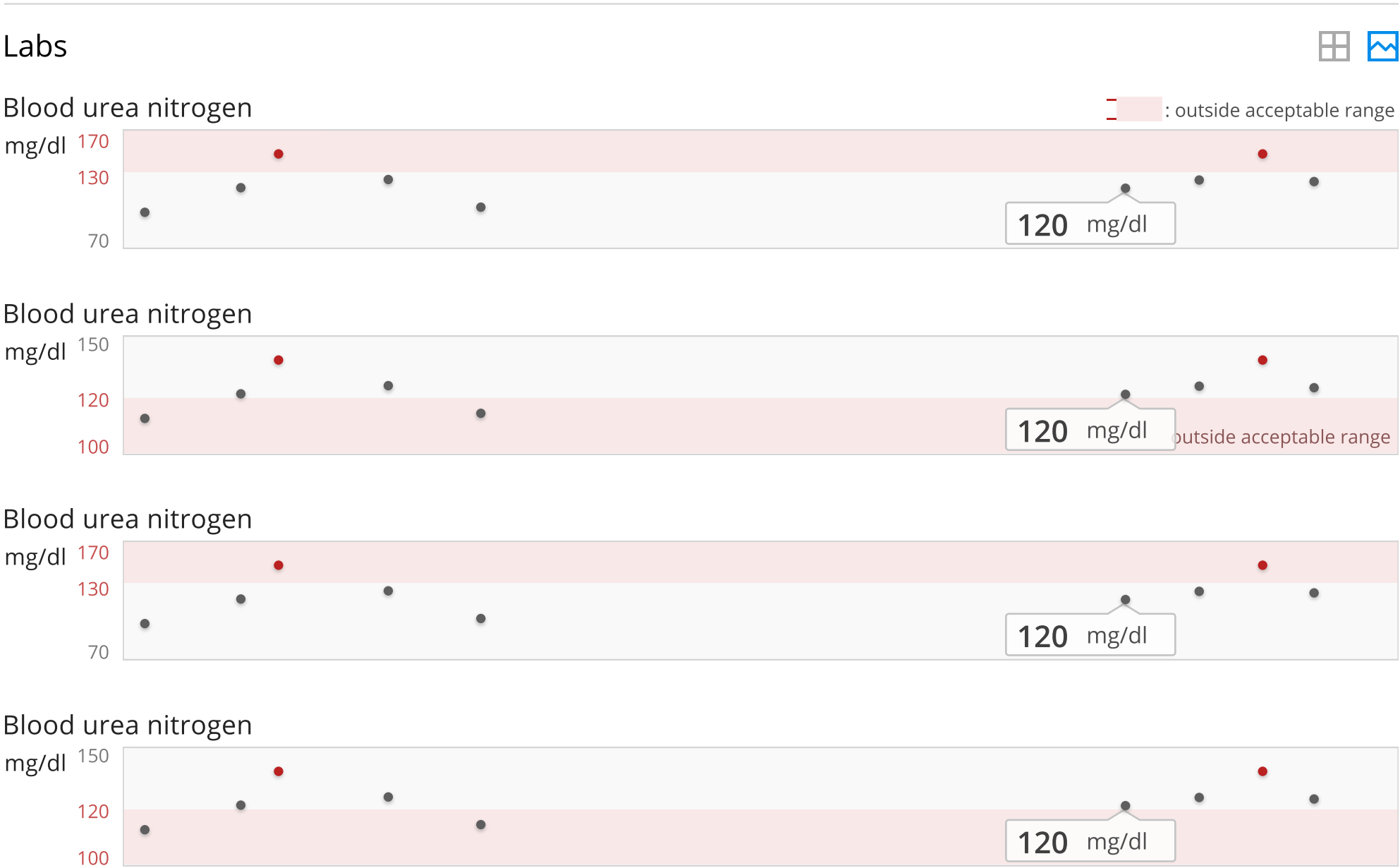
## I ITERATIONS: LABS AND VITALS

- annotating red region
- paired data

Each plot may have an “out of bounds region” designated by:


- red labels on the y axis (“warning red text”)
- red dots when in the region (“warning red”)
- red overlay in the backing of the chart ( #FF8888 15%)


The rest of the backing is grey (“contrast gray”)





Several options for explaining the red “out of bounds” region:

A single “key” near the top plot:

 : outside acceptable range

 outside acceptable range

 : outside acceptable range

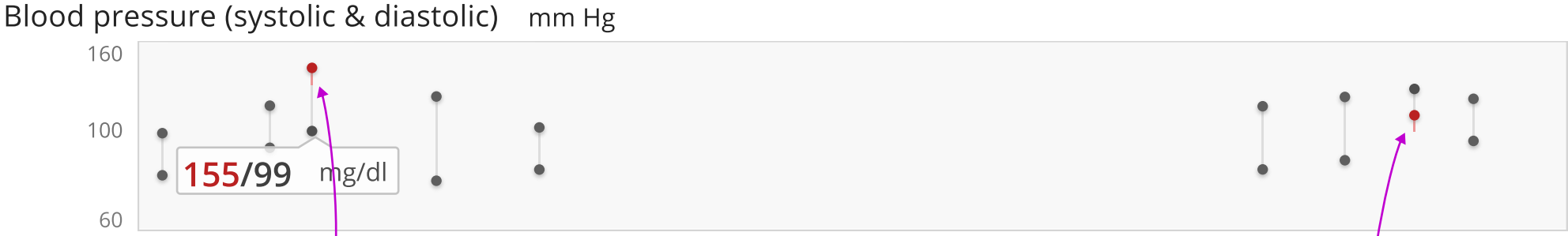
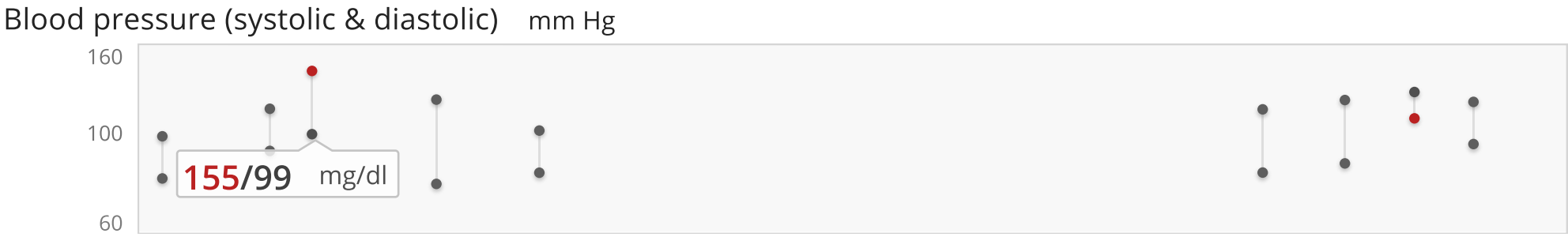
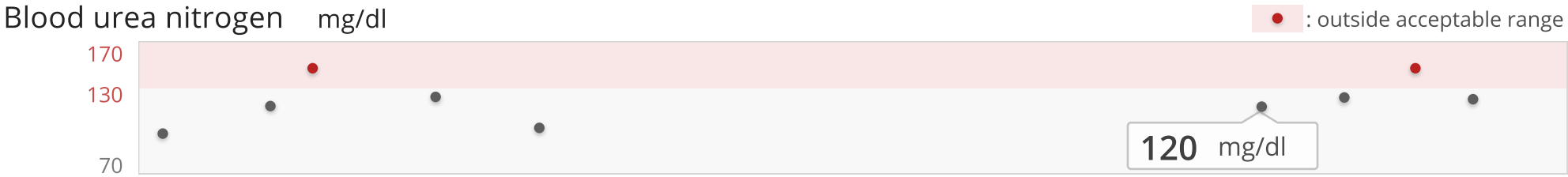
 Dan’s preferred

Dan’s preferred

An overlaid label on each plot

A info button next to each plot

Labs



**tentative concept:**  
If a value is out of range, the portion of the connecting line out of range is colored red.

This can be tricky if the lower value is too high. One idea is to let the line hang down to show how far out of range the value is.

Paired values (such as blood pressure) appear on the same chart. The chart does not have red rectangles or red y-axis labels.

Each pair of dots is connected to aid the eye. The cursor popup contains both numbers. In the case of blood pressure, they are displayed in the familiar systolic/diastolic format.

Any numbers or dots outside the acceptable range are red.

## 2 REVISION: “TABS” FOR SUMMARY/FULL/MISSING

- SUMMARY
- RECORD
- CURATE

Patient summary

Condition summary

edit

### Patient Summary

Visit reason

Ms. Hernandez98 requested a follow up due to significant diarrhea and fatigue, despite anti-diarrheal treatment, that makes it hard for him to do daily activities

Something else

The value

Active conditions

Gastrointestinal stromal tumor (selected)	25 Dec 2016	stomach
Fracture	10 Mar 2019	bone structure of left fibular

Recent appointments

You last saw this patient	10 Feb 2019
reason for that visit	follow-up
Last visit to this practice	11 Mar 2019
clinician who saw patient	Dr. Edward Green

### Condition Summary    Gastrointestinal stromal tumor

Name	Gastrointestinal stromal tumor
Location	Stomach
Clinical status	Remission
Genomics	KIT exon 11 mutation+
Biomarkers	

Disease status    go to disease status

Disease status	Complete response
As of	24 Jan 2019
Rationale	missing

Treatment

go to medications


go to procedures

Diagnosis

Diagnosis date	25 Dec 2016
Recurrence date	N/A
Mitosis	20 per 50 HPF
Tumor size	8 cm
Histological grade	2 (moderately differentiated)
Clinical stage	IIIA
Pathological stage	missing

Lab results    go to lab results

White blood cell	1.8	(10 <sup>9</sup> /L)	24 Jan 2019
Neutrophil	4.2	(10 <sup>9</sup> /L)	24 Jan 2019



+ 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

SUMMARY

RECORD

CURATE

Medications

Allergies

Review of Systems

Vitals

Conditions

Disease Status

Labs

Imaging

Procedures

Pathology

Genetics

Timeline

Treatment Options

Patient

Medications

Allergies


Review of Systems


Vitals


Conditions


Gastrointestinal stromal tumor ▼


Disease Status











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### 3 TIMELINE FILTERS



Filter timeline

medication availability

☐ over the counter

☐ prescription

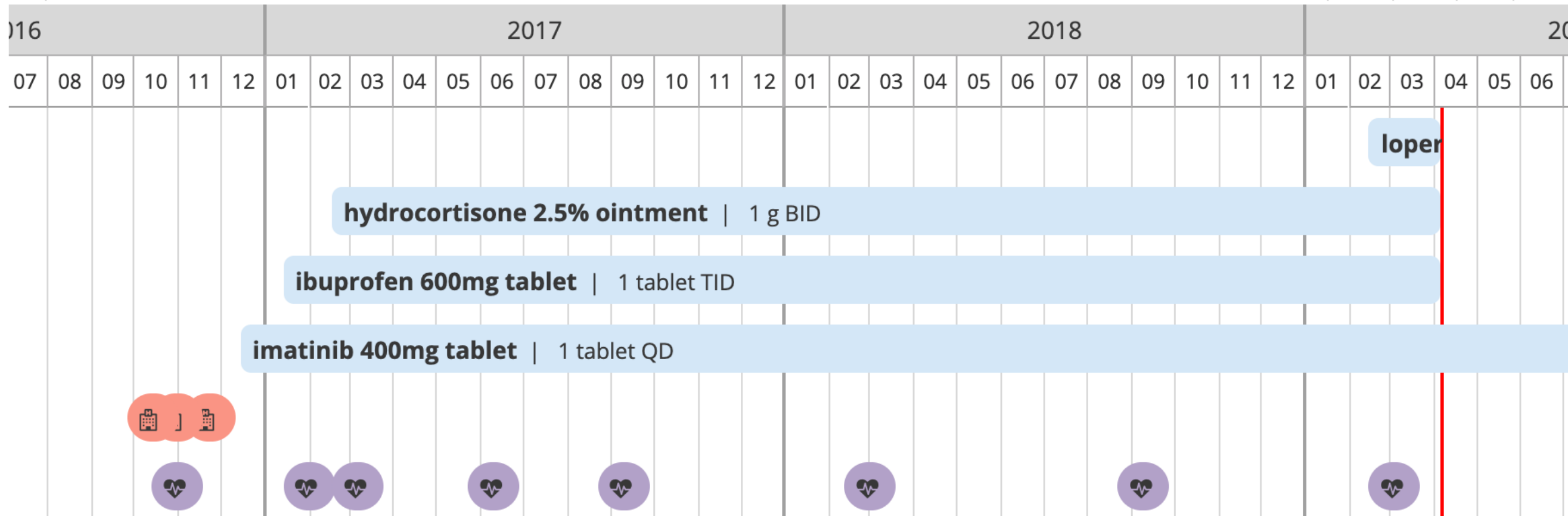
procedures

☐ procedure type 1

☐ procedure type 2

< | TODAY | >

1W 1M 6M 1Y 3Y



 : Medical procedures

📍 : Key events and disease status

Filter timeline ✖ medication availability: prescription

medication availability

☐ over the counter

☒ prescription

procedures

☐ procedure type 1

☐ procedure type 2

< | TODAY | >

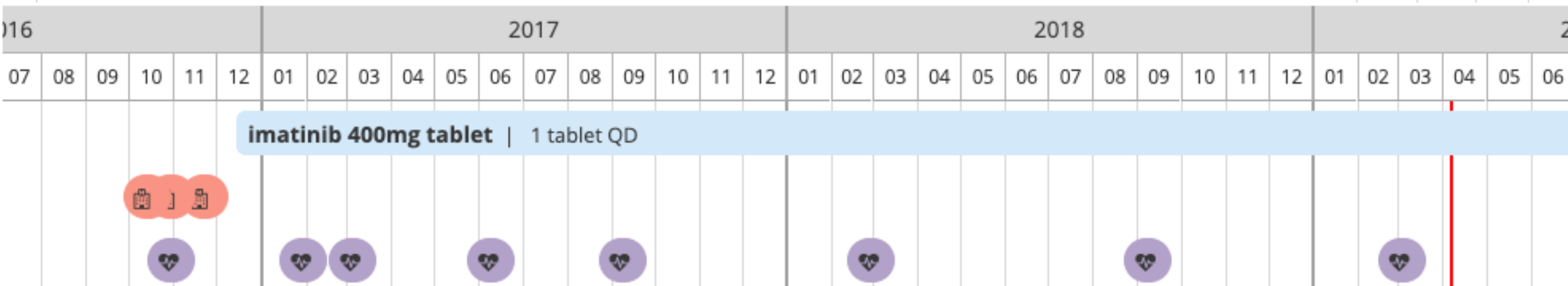
1W

1M

6M

1Y

3Y



 : Medical procedures

♥ : Key events and disease status

Filters reside beneath a simple dropdown arrow.

Filters work as in a shopping site, such as Amazon. They are categorized.

When no filters are active, all elements are visible.

Applying one or more filters to a category hides all those elements not represented by the filter.