HEALTH CONNECT TREASURE HUNT

TREASURE HUNT DIRECTIONS
From Henry Walker at Kaiser Permanente

The Treasure Hunt is a paper handout with questions on several patients. Students look up a patient’s chart in EPIC Chart Review (so that they cannot edit anything), and the Treasure Hunt asks for information that forces them to search EPIC to find the information. The Treasure Hunt begins with basic information (allergies, who is the primary care, current warfarin dose, next lab date, what strength warfarin tablet, etc.). Students may also have to find a patient discharged from the hospital and answer questions that are only found in the Discharge Summary on or the In-Patient Pharmacists note.

It is highly recommended to collect interesting situations that the preceptor comes across in his/her day-to-day work, like drug interactions. Examples include patients that started on rifampin and the difference in warfarin dose, or a dilantin start that shows the bi-phasic effect on INR.

The Treasure Hunt has grown over the years and now takes interns approximately eight (8) hours to complete over a multiple sittings. It can be used to fill the “dead time” at the end of the day, or when the preceptor needs to follow-up on patients. By the time they complete the Treasure Hunt, the interns feel comfortable with EPIC and have learned a lot by reviewing the charts, which is the best way to gain experience quickly.

EPIC TREASURE HUNT SAMPLE QUESTIONS
For patient MRN XXXXXX, open the patient’s CHART (use yellow button) – DO NOT open an Encounter (red cross).

1. What is this patient’s INR goal:________ and Coumadin indication:_______________________
2. When and what was the last INR? __________________ dated____________________________
3. When is the next lab date?_______________________________________________________
4. What drug interaction is of concern as noted in the addendum from the 3/20/09 note? ____________________________________________________________________________
5. What was done for this DDI? ______________________________________________________
6. What are the available phone numbers to try to reach this patient? ________________________
7. What are the patient’s drug allergies? ______________________________________________
8. Who is her Primary Care Provider? _______________________________________________
9. What is the “1st” phone number to contact her? ______________________________________
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For patient MRN ZZZZZZZZZ, open the patient’s CHART (use yellow button). Patient was admitted on 6/18/09. Find the discharge summary by Dr Dan Carpiuc.

1. What was the patient’s INR upon admission?__________________________________________
2. What was the patient’s chief complaint? _____________________________________________
3. Why was the patient given Vit K? __________________________________________________
4. How much vitamin K did the patient receive and by what route? __________________________
5. When was heparin discontinued? ___________________________________________________
6. Besides vitamin-K, what else was ordered (but not needed) to lower the INR? Hint: see addendum to Dr Levine’s encounter dated 6/18/09______________________________________
7. Why was the patient given Lovenox after discharge? ___________________________________
______________________________________________________________________________

For patient MRN YYYYYYYYY, open the patient’s CHART (use yellow button) – DO NOT open an Encounter (red cross).

1. What is the patient’s INR goal:________ and Coumadin indication:________________________
2. What was INR on 6/23/09? ______  What was cause of this? _____________________________
3. Why was INR low on 8/18/09? _____________________________________________________
4. Read entire encounter dated 8/19/09. What two procedures does the patient need to be bridged? __________________________________________________________________
5. Why was Lovenox ultimately NOT used? ____________________________________________
6. What was used instead of Lovenox (incl dose)? ______________________________________
   “____________________________________________________________________________”
8. In spite of TWO 10mg doses, what was patient’s INR on 9/24/09? __________  Why was INR still low on 9/24? ___________________________
9. What was INR a week later, without further ‘booster doses’? ___________________________

For patient MRN AAAAAAAAA, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. What procedure is Ms.“Patient” having on 8/28/2008?__________________________________
2. How long is she going to hold her warfarin? __________________________________________
3. Who will be giving her Lovenox injections? ___________________________
4. What is the dose of Lovenox?______________________________________________________
5. How much does the patient weigh? _________________________________________________
6. What is her complete anticoagulation regimen immediately after her procedure?
______________________________________________________________________________

7. What day is her lab after procedure? _____________________________________________

8. What labs are ordered? ____________________________________ & ______________________

9. What was her INR s/p Lovenox bridge on 9/1/08? ____________ What was done to address this INR?__________________________________________________________________________

10. When was Lovenox discontinued? ________________________________________________

For patient **MRN BBBBBBBBBB**, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. What was the patient’s INR goal: _______ and Coumadin indications: ____________________

2. Why was the patient’s 5/18/09 INR below therapeutic range? What was done as a result? How did this affect the patient’s next INR? _____________________________________________
                                                                                                           _____________________________________________
                                                                                                           _____________________________________________

3. Why was the patient’s warfarin dose decreased on 7/6/09? ______________________________
                                                                                                           _____________________________________________
                                                                                                           _____________________________________________

4. Is this enough of a dosage decrease for this particular DDI (what do the guidelines suggest/what should have been done)? _____________________________________________________________________________
                                                                                                           _____________________________________________

5. What was the patient’s next INR? __________ What was percent decrease in dose? __________

6. What was resulting INR on 8/11/09? ________________________________________________

For patient **MRN WWWWWWWW**, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. What was the patient’s INR goal: _______ and Coumadin indication: ____________________

2. What was weekly warfarin dose prior to 2/15/2010? _______ mg/week

3. What medication did the patient start 2/15 as noted on 2/24/2010? _____________________________________________________________________________
                                                                                                           _____________________________________________

4. What is the interaction between this drug and warfarin? What is the empiric warfarin dose adjustment for this DDI? When would we want to recheck INR? ________________________________
                                                                                                           _____________________________________________
                                                                                                           _____________________________________________
5. Why was Lovenox started on 3/16/2010?

6. INRs were stable again in Spring of 2010. What was the new stable weekly warfarin dose? __________ mg/week. What % change is that from weekly dose prior to 2/15? __________% 

7. Interacting medication was tapered in May 2010? How did that affect INRs & warfarin doses?

8. What was stable dose in July 2010, after med was DC’d? ______________ mg/week

For patient **MRN KKKKKKKK**, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. What was the patient’s INR goal: ________ and Coumadin indication:_________________________
2. From 9/2/08 notes, when was prednisone started? ________________________________
3. What is the DDI between prednisone and Coumadin? ________________________________
4. What is empiric warfarin dose adjustment for this DDI? ______________________________
5. What was actually done for this DDI? ____________________________________________
6. What was the INR the next reading? ______________________________________________

For patient **MRN YYYYYYYYY**, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. What was the patient’s INR goal: ________ and Coumadin indication:_________________________
2. Why do you think her goal is so high? ______________________________________________

3. On 5/22/09 her INR was 5.1. What were some of the questions asked of the patient? What was done as a result of this INR? ________________________________________________

4. On 4/24/09 her INR was 2.6. What were some of the questions asked of the patient? What was done as a result of this INR? ________________________________________________

For patient **MRN MMMMMMMM**, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. What was the patient’s INR goal: ________ and Coumadin indication:________________________
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2. When did the patient actually start Rifampin? ________________________________
3. When was the DDI noted in the doc flowsheet? ________________________________
4. What is the empiric warfarin adjustment for Rifampin? _______________________
5. What was actually done? ________________________________
6. Why was the warfarin dose cut in half on 1/28/09? ______________________________

For patient **MRN XYXXYXY**, open the patient’s (use yellow button) CHART – DO NOT open an Encounter (red cross).

1. When did the patient start Ticlid? ________________________________
2. What needs to be monitored for this medication? _________________________
3. Why do we monitor this? ________________________________
4. How often are labs drawn (give dates)? ________________________________
5. What are the common side effects of Ticlid? _______________________________

For patient **MRN ABCABC**, open the patient’s (use yellow button) CHART

1. Please list this patient’s INRs for the year of 2009
   _______________________________________________________________________
   _______________________________________________________________________
2. What was the likely cause for the one high INR? ______________________________

For patient **MRN JKLJKL**, open the patient’s (use yellow button) CHART

1. What was likely cause for high INR on 8/6/09? HINT: answer was discovered days later, and the answer is NOT a four-letter-word. ________________________________

For patient **MRN XYXXYZ**, open the patient’s (use yellow button) CHART

1. What was this patient’s weekly warfarin dose as of January 2010 (mg/week)? _____________
2. What drug interaction needed to be addressed at that time? ____________________________
3. What is the general dose adjustment for this drug-drug interaction? (see ‘wall of knowledge’) ___________________________________________________________________
4. What was her weekly warfarin dose as of June 2010? _________________
5. What percent change is that? ________________________________
For patient **MRN QRSQRS**, open the patient’s (use yellow button) CHART

1. Why did INR increase on 2/24/11? ________________________________________________
2. What is the mechanism of action of this INR increase? ________________________________
3. By what percentage was the weekly warfarin dose reduced? __________________________
4. Why didn’t we see the INR increase on 2/10/11? (hint: see DDI chart on wall of knowledge)

Patient **MRN GHIGHIG** came back high at 5.2 on April 7th 2011, but her husband MRN 12789216 did not. Why? __________________________________________________________________________

Patient **MRN DFGDFG** had her vacation in Florida interrupted by a DVT. She was put on Xeralto and sent home.

1. What is the preferred method of converting from rivaroxiban to warfarin per ACCP?

2. What was her INR while on rivaroxiban but before starting warfarin?

3. How was she converted to warfarin?