EPIC RESEARCH TOOLS

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CLINICAL INFORMATICS FELLOW, UCI
RECRUITING: BEST PRACTICE ALERTS (BPA)

• IRB approval
• Enrollment criteria must be discrete data
• Must have a dedicated contact point
• CDS committee
PROBLEM
This patient's TPMT genotype is associated with very impaired metabolism of mercaptopurine by TPMT, which can cause an elevated risk of myelosuppression at normal doses.

REASONS
Reduced TPMT metabolism of thiopurines results in significantly increased production of non-desired cytotoxic metabolites, which can cause bone marrow depression.

RECOMMENDATIONS
(A) For non-malignant conditions consider alternative non-thiopurine immunosuppressant therapy

OR

(B) For malignant conditions, refer to the chemotherapy treatment protocol for dose reduction recommendations.

Select "Cancel" to modify or discontinue the current order. Select "Accept" to proceed with the current order

More information on thiopurines and TPMT

For questions about this alert or the personalized medicine program, please contact: PMP-HELP@ctsi.ufl.edu or (352) 380-1441.

Last TPMTGEN=*2/*3A on 1/17/2014
RECRUITING: MYCHART

- Questionnaires
- Patient entered data
- IRB approval
- Enrollment criteria must be discrete data
- Requires dedicated contact for development and maintenance
- Patient Experience (marketing)
MyChart
Powered by MultiCare

MyChart ID
Password
LOG IN

Forgot Password or MyChart ID?
Use Fingerprint

Don't have an account?
SIGN UP NOW

You have 4 health reminders.

- Test Results
- Messages
- Appointments
- Medications
- Health Reminders
- Health Summary
- Billing
- Questionnaires
RESEARCH STUDIES ACTIVITY

• Built in EPIC

• Access granted to
  • PI
  • Coordinator
  • Other study team members
Consent signed at 1400 on 3/8/2017
### Research Studies

**Completed**

<table>
<thead>
<tr>
<th>Study Code</th>
<th>ORTELBOW</th>
<th>Start Date</th>
<th>End Date</th>
<th>Study Description</th>
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**Enrolled**

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<tr>
<th>Study Code</th>
<th>RSCH-HENONC-201508745</th>
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<th>NCT #</th>
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<td>3/8/2017</td>
<td>02521870</td>
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**Interested**

<table>
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<tr>
<th>Study Code</th>
<th>RSCH-PED-201411731</th>
<th>Principal Investigator</th>
<th>Study Type</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Dagle, John M, MD</td>
<td>Observational</td>
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REPORTING WORKBENCH

- Use reports customized to the study
- Real time data
- Contact: Mike Woodward (PM)
SLICERDICER

• Self-service reporting tool
• Customizable data exploration
• Quick evaluation of a “hunch”
SLICERDICER

• This tool is in development. Validate
• Do not use Slicer for research without an IRB-approval
• SlicerDicer data is one day behind the live environment
• Notes/SmartText are not usable in SlicerDicer
  • Discrete data only
• Share feedback with slicerdicer@uci.edu – good and bad
<table>
<thead>
<tr>
<th>Epic-released SlicerDicer Data Model</th>
<th>UCI Implementation Status</th>
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<tbody>
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<td>Patients Data Model</td>
<td>Live</td>
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<tr>
<td>Surgeries and Invasive Procedures SlicerDicer Data Model</td>
<td>Planned for Q2 2019</td>
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<tr>
<td>Visits SlicerDicer Data Model</td>
<td>Planned for Q2 2019</td>
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<td>IP Pharmacy Dispense Workload SlicerDicer Data Model</td>
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<td>IP Pharmacy Medication Orders SlicerDicer Data Model</td>
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<td>Lab Specimens and Tests SlicerDicer Data Model</td>
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<td>Visits (PB) SlicerDicer Data Model</td>
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Number of Patients

Last 6 months

1,860,187
Cardiovascular Disease

Last 1 day

7,222
Discharged?

Base: All Patients

Search for criteria

+ Browse

Discharged?
Disposition
Department

Add Sequential Criterion
Add Overlapping Criterion
Specify Date Range
Exclude
Remove