

A Patients Perspective on Biospecimen Research

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Overview

- ◆ The Hope
- ◆ The Reality
- ◆ The Future

The Hope

- ◆ Will Not Discuss: A Cure vs. Chronic Disease
- ◆ Today's Focus: A Personalized Medicine Approach

The right drug for the right person at the right time



Personalized Medicine

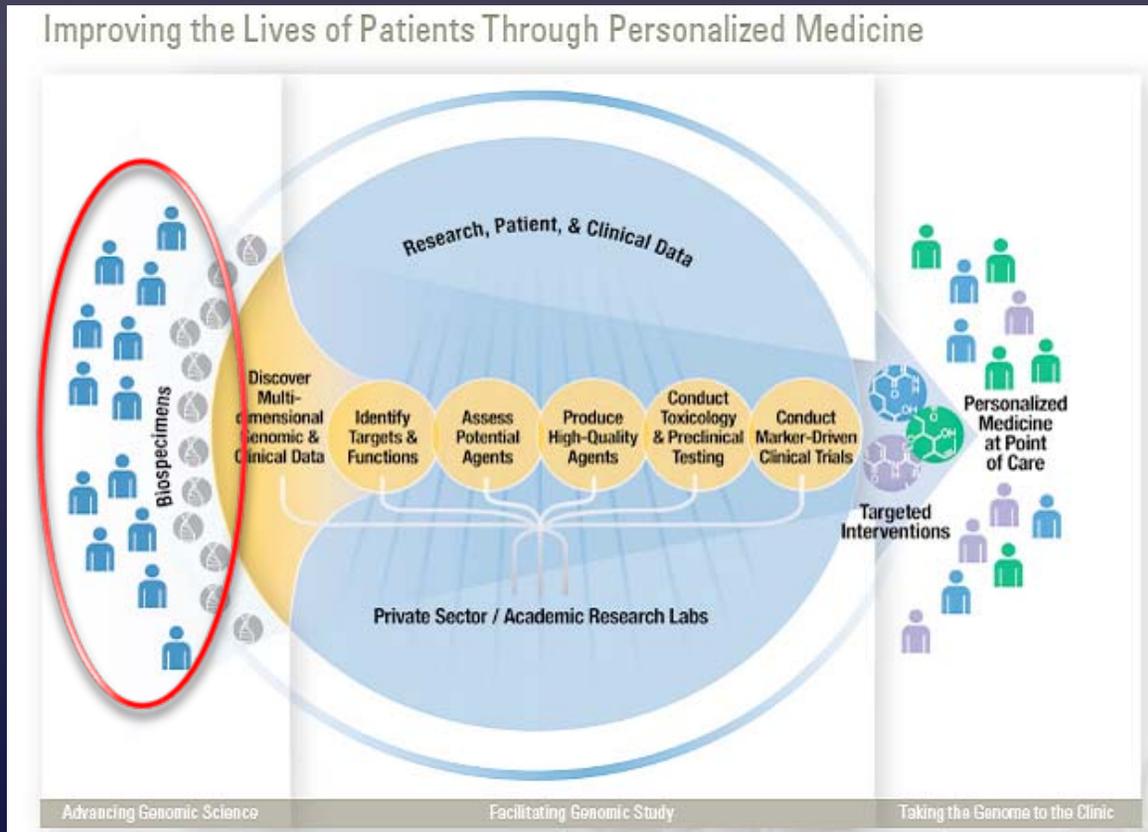
- ◆ Need accurate and Validated Biomarkers
 - ◆ Early detection
 - ◆ Diagnosis
 - ◆ Therapy
 - ◆ Response Monitoring



It's All About You: Tissue

- ◆ Tissue Is Key: Must be standardized at all points

- ◆ Collection
- ◆ Processing
- ◆ Storage
- ◆ Analyzing



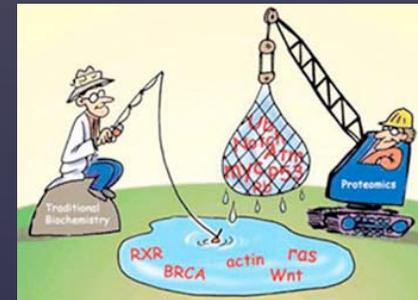
The Reality

◆ Research implications of poor sample collection & processing

Garbage In



=



◆ Clinical Implications of poor sample collection & processing

Garbage Out



=



Today's Clinical CLIA Lab

- ◆ Standardized SOP's for collection, processing, storage & analysis of biospecimens



Collection



Processing



Storage



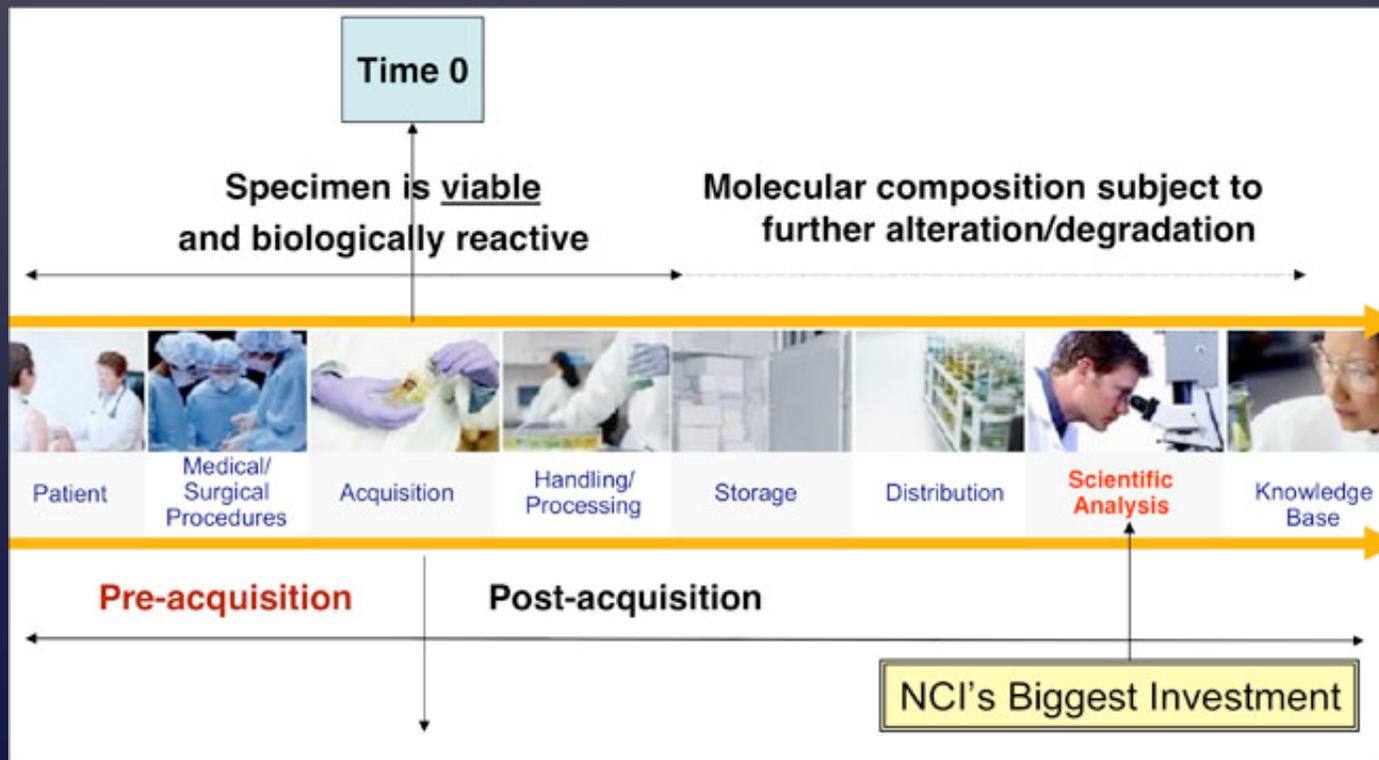
Analysis



Improve Pt. Outcomes

Most Biospecimen Research

- ◆ Focus on Analysis not collection or processing



Today's Research & Path Non-CLIA Lab

- ◆ No Standardized SOP's for collection, processing - few SOP's for storage & analysis of biospecimens



Collection (variables not validated)



Processing (variables not validated)



Storage



Analysis



Improve Pt. Outcomes

The Future

- ◆ Need More Research on Variables in Collection and Processing of Tissue

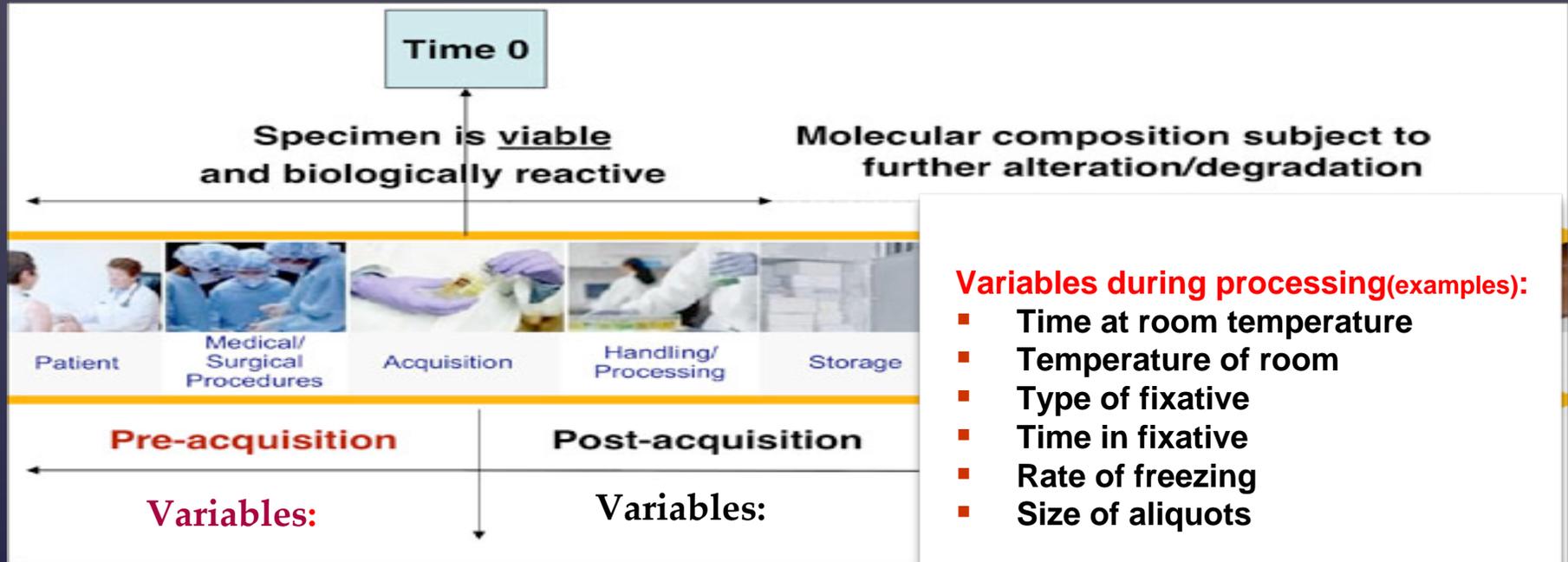


Why BRN?

- ◆ **Today's research and Path labs: NO CLIA REG's**
 - ◆ Can't compare apples to oranges across all samples and all labs
 - ◆ Remember garbage in garbage out



Standardization



Variables during pre-acquisition (examples):

- Antibiotics
- Other drugs
- Type of anesthesia
- Duration of anesthesia
- Arterial clamp time

Thank You



- ◆ Early detection
- ◆ Diagnosis
- ◆ Therapy
- ◆ Response Monitoring

The right drug for the right person at the right time