



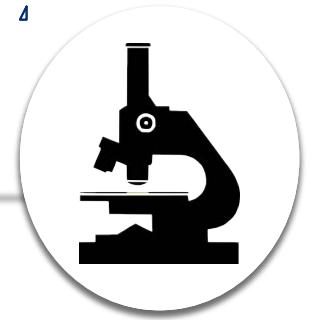
THE UNIVERSITY OF ARIZONA  
HEALTH NETWORK



## Department of Pathology Presentation to Dr. Garcia

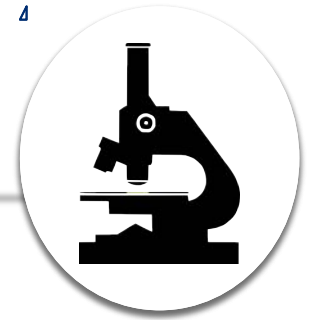
Clinical Service – Anatomic Pathology  
September 8, 2014

Presented by Dr. Erika Bracamonte  
Head of Anatomic Pathology



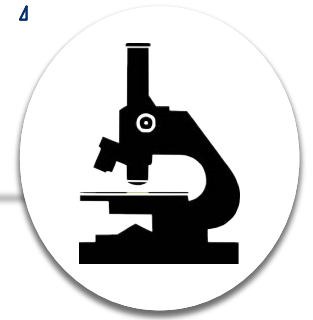
## Anatomic Pathology Divisions

- Surgical Pathology
  - Dr. Erika Bracamonte, Director
- Cytology
  - Dr. Zhara Aly, Director
- Autopsy
  - Dr. Richard Sobonya, Director



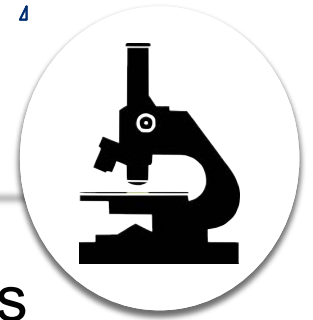
## Surgical Pathology

- Encompass tissue specimens from University and South Campus
- Volumes
  - University Campus: ~18,500 / year
  - South Campus: ~3,000 / year



## Surgical Pathology – Subspecialty Practice

- Specimens divided by organ system, examined by pathologist with local expertise
- Benefits:
  - Uniform approach to specimen examination / uniform reporting of results
  - Decreased turnaround time for challenging cases
  - Enhanced relationships and trust between pathologists and clinical colleagues
  - Support concentrated focus of expertise for clinical faculty



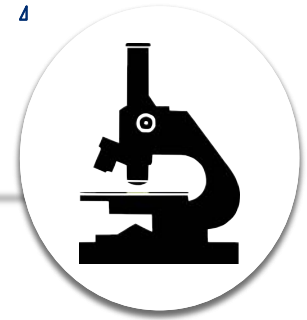
## Surgical Pathology – 12 clinical surgical pathologists

### Subspecialty areas:

- Breast
- Bone and soft tissue
- Cardiac/Pulmonary/Vascular
- Dermatopathology
- Endocrine
- ENT/Head and Neck
- Genitourinary
- GI/Hepatobiliary
- Gynecologic
- Neuropathology

- Interdisciplinary conferences:

- Tumor boards
- CPC's
- Grand Rounds



## Surgical Pathology - Faculty



**Dr. Achyut Bhattacharyya**  
Dept Chair

- Gastrointestinal
- Hepatobiliary



**Dr. Erika Bracamonte**  
Director AP

- Renal
- Transplant
- Genitourinary



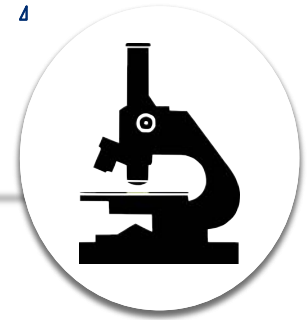
**Dr. Richard Sobonya**  
Director Autopsy

- Cardiac
- Pulmonary
- Vascular
- Muscle biopsy



**Dr. Naomi Rance**  
Vice Chair

- Neuropathology



## Surgical Pathology - Faculty



**Dr. Brandon Larsen**

- Cardiac
- Pulmonary
- Vascular
- Bone and Soft tissue



**Dr. Robert Klein**  
Director, South Campus  
Lab

- Endocrine
- Soft tissue



**Dr. Jennifer Thorn**  
Director, Molecular  
Pathology AP

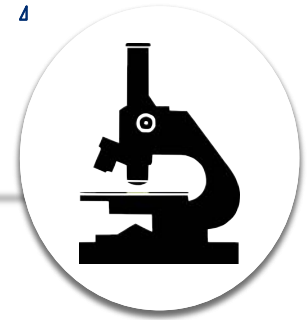
- Gastrointestinal
- Hepatobiliary



**Dr. Charmi Patel**  
Director,  
Immunohistochemistry Lab

- Gastrointestinal
- Hepatobiliary





## Surgical Pathology - Faculty



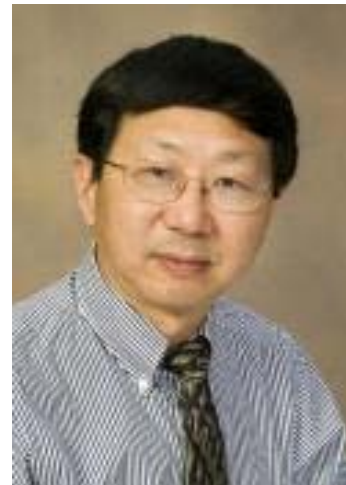
**Dr. Lauren Lebeau**

- Breast



**Dr. Fangru Lian**

- Dermatopathology



**Dr. Wenxin Zheng**

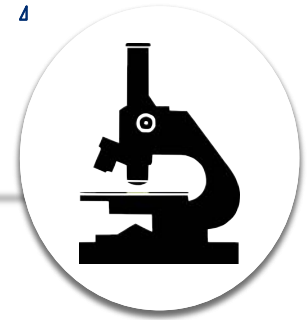
- GYN



**Dr. Zahra Aly**  
Director, Cytology

- ENT/Head and Neck
- Endocrine

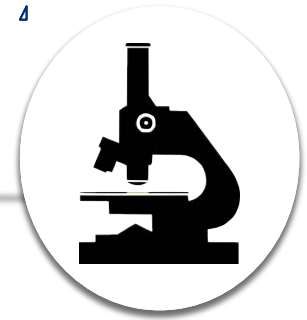




## Surgical Pathology – GI/Hepatobiliary

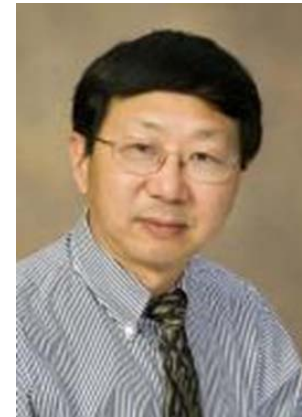
- Largest volume subspecialty, increased growth over past 5 years
- 3 full time surgical pathologists
  - Dr. Achyut Bhattacharyya
  - Dr. Charmi Patel
  - Dr. Jennifer Thorn
- 1 GI pathology fellow
- 4 interdepartmental GI-focused conferences/week

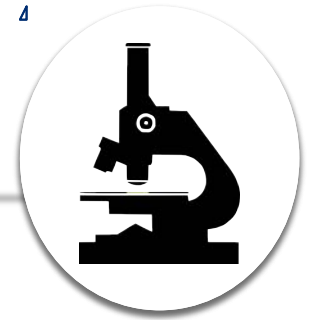




## Surgical Pathology – Gynecologic

- 2<sup>nd</sup> largest volume specialty
- Dr. Wenxin Zheng
  - Dual appointment in dept of OB/Gyn
  - International expert in GYN pathology
- Visiting clinical and research fellows from China

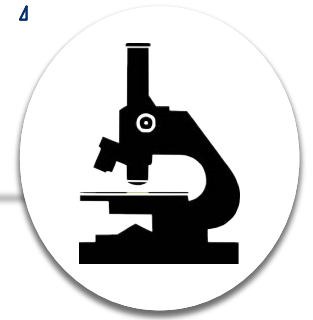




## Surgical Pathology – Molecular Diagnostics

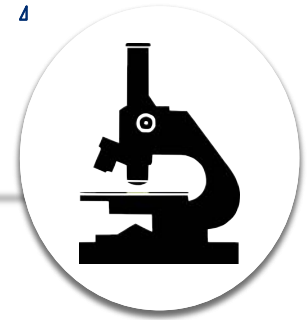
- Dr. Jennifer Thorn, Director
- Two tests currently offered:
  - Her 2/neu in situ hybridization
    - Breast carcinoma
    - Esophageal/gastric carcinoma (will undergo validation)
  - Mismatch repair by immunohistochemistry
    - Colorectal carcinoma
    - Gynecologic cancers





## Surgical Pathology – Quality Metrics

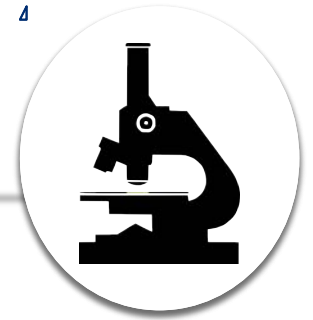
- What we measure:
  - Turn around time for completion of routine cases
    - 86% within 48 hours (goal >90%)
  - Turn around time for completion of intraoperative frozen sections
    - 84% <20 minutes (goal >90%)
  - Frozen section/permanent correlation
    - 98.2% overall concordance (goal >97%)
    - 99.6% concordance based on diagnostic interpretation (goal >98%)



## Autopsy Pathology

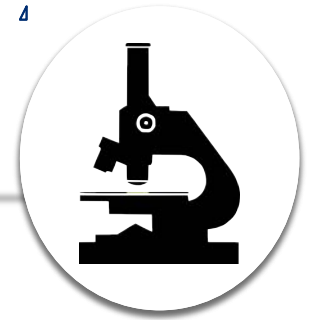
- Dr. Richard Sobonya, Director
- Dr. Bruce Parks
  - Former Chief Medical Examiner for Pima County
- Volume: 150 autopsies / year (increased 25% since 2010)
  - 5% of all UAHN hospital deaths undergo autopsy
  - 25% UAHN, 75% outside (private)
  - We charge \$2000 per full outside autopsy





## Autopsy Pathology – Quality Metrics

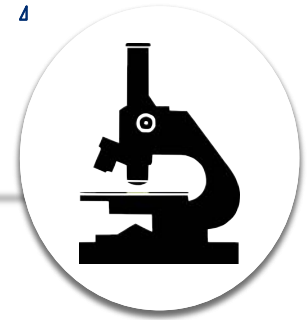
- What we measure
  - Turn around time for completion of reports
    - Within 30 days
      - >50% (goal >50%)
    - Within 60 days
      - 97% (goal 100%)



## Autopsy Pathology - Highlights

- Cases presented at subspecialty conferences
  - Neuropathology (brain cutting conference)
  - Infectious disease
  - CPC
- Source of publication material for residents

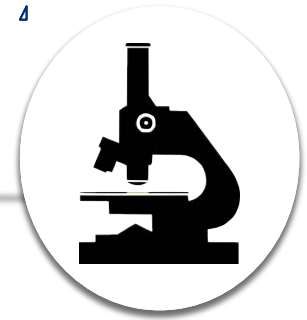




## Cytology Service

- Dr. Zahra Aly, director
- Volume (University Campus):
  - ~3,600 GYN, ~3,300 non-GYN
  - Non-GYN highest volume specimens:
    - FNA (lung, pancreas), endobronchial ultrasound-guided bx's, GI endoscopic bx's, fluids (bronchioalveolar lavage, urine)
- Volume (South Campus):
  - ~1,000 GYN, ~250 non-GYN

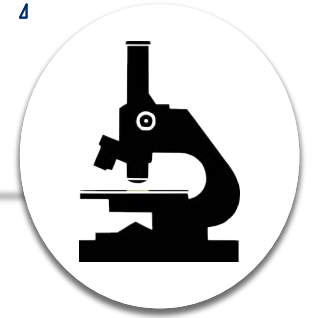




## Cytology Service

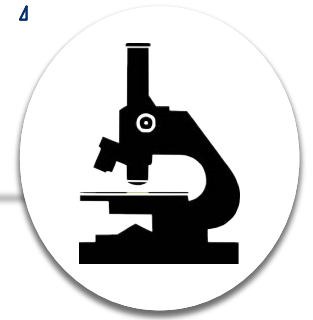
- 3 cytotechnologists
- Screen cases for cytology faculty
- Perform bedside assessment for specimen adequacy
  - Busy: ~30 assessments / week
  - Assure greatest success for diagnosis
  - Triage specimen material for special testing
  - Frees cytopathologist for other duties





## Cytology Service – Fine Needle Aspiration Clinic

- Started by Dr. Aly in Sept, 2013
- Examined 30 specimens to date
  - Predominantly head and neck/ENT, endocrine (thyroid)
- Additional infrastructure needed to support/build clinic
  - Billing
  - Technologist support



## Cytology Service – Quality Metrics

- What we measure
  - Turn around time for routine cases
    - 98% within 48 hours (goal >90%)
  - Cytology / histology diagnosis correlation
    - GYN
      - 98% concordance (goal >95%)
    - Non-GYN
      - 99% concordance (goal >95%)



