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

• 2nd 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%)