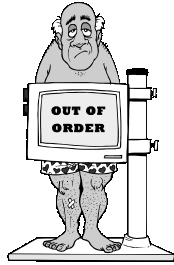


MEDICAL ASSISTING



ASSISTING WITH HIGHLY
SPECIALIZED EXAMINATIONS

OBJECTIVES

- Describe medical specialties
- Identify types of examinations & diagnostic tests
- Identify the medical assistants role



ALLERGIST

- Inappropriate immune system responses
- Normally harmless substances
- Inflammation & tissue damage
- Common allergens
- Anaphylaxis
- Lifestyle changes



ALLERGY TESTING

- Scratch test

- Intradermal test



- Patch test



- Radioallergosorbent test (RAST)

CARDIOLOGY

- Auscultation
- Electrocardiography
- Stress testing
- Imaging
- Echocardiography
- Lifestyle
- Education
- Emotional support



CARDIOLOGY

- Radiography techniques:
 - Chest x-ray
 - Radionuclide studies
 - Venogram
 - Angiography
 - Cardiac catheterization



DERMATOLOGY

- Whole body skin examination
- Skin disorders may only involve the skin, or may be a sign of systemic disease
- MA role:
 - positioning & draping
 - skin scrapings / wound cultures
 - treatments / medications
 - patient education



DERMATOLOGY

- Skin cancer:
 - Basal cell carcinoma
 - Squamous cell carcinomas
 - Malignant melanomas



ENDOCRINOLOGY

- Glandular system
- Regulation & coordination of body systems
- Hormone imbalances
- Diabetes mellitus:
 - Insulin-dependent diabetes mellitus (IDDM)
 - Non-insulin-dependent diabetes mellitus (NIDDM)
 - Gestational diabetes
- Thyroid gland dysfunctions:
 - Hypothyroidism
 - Hyperthyroidism
 - Goiter
 - Cushing's Syndrome



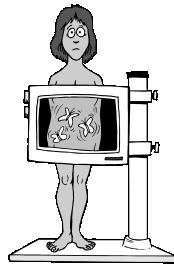
GASTROENTEROLOGY

- Gastrointestinal (GI) tract
- Procedures in office, radiology, hospital
- Gastric lavage
- Endoscopy
- Colonoscopy
- Proctoscopy
- Sigmoidoscopy



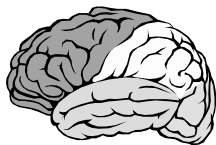
GASTROENTEROLOGY

- Diagnostic testing:
 - Laboratory tests
 - Radiologic examinations
 - Cholecystography
 - Ultrasound (US)
 - Barium swallow / enema
 - Radionuclide imaging



NEUROLOGY

- Central nervous system (CNS)
- Associated systems
- Neurological examinations:
 - Cognitive function
 - Cranial nerves
 - Motor system
 - Reflexes
 - Sensory system



NEUROLOGY

- **Diagnostic testing:**

- Electroencephalography

- **Imaging procedures:**

- Angiogram

- Brain scan

- Computed tomography (CT)

- Magnetic resonance imaging (MRI)

- Myelography

- X-rays

- Electromyography

