

Chapter 5



Medical Specialists and Case Reports

Learning Objectives



- Describe the training process of physicians.
- Identify medical specialists and describe their specialties.

Learning Objectives (cont'd.)

- Identify combining forms used in terms that describe specialists.
- Decipher medical terminology as written in case reports.



Chapter 5

Lesson 5.1

Examples of Residency Programs

Residency Programs

- Anesthesiology
- Dermatology
- Emergency Medicine
- Family Practice

Definition

- Administration of agents capable of bringing about a loss of sensation
- Diagnosis and treatment of skin orders
- Care of patients that requires sudden and immediate action
- Primary care of all members of the family on a continuing basis

Examples of Residency Programs (cont'd.)

Residency Programs

- Internal medicine
- Ophthalmology
- Pathology
- Pediatrics

Definition

- Diagnosis of disorders and treatment with drugs
- Diagnosis and treatment of eye disorders
- Diagnosis of the cause and nature of disease
- Diagnosis and treatment of children's disorders

What are some others?



Psychiatry – Diagnosis and treatment of disorders of the mind.

Radiology – Diagnosis using x-rays and other procedures (*ultrasound and magnetic resonance imaging*).

Surgery – Treatment by manual (SURG - means hand) or operative methods.

Medical Specialists



- Allergist
- Cardiologist
- Geriatrician
- Oncologist
- Pathologist
- Radiation oncologist
- Urologist

Medical Specialties Defined

Specialist

- allergist
- cardiologist
- geriatrician
- oncologist

Description

Treatment of hypersensitivity reactions

Treatment of heart disease

Treatment of diseases of old age

Diagnosis and medical treatment of malignant and benign tumors

Medical Specialties Defined (cont.)

Specialist

- pathologist
- radiation oncologist
- urologist

Description

Diagnosis of disease by analysis of cells

Treatment of disease with high-energy radiation

Treatment and surgery on the urinary tract and male reproductive system

Combining Forms and Vocabulary

Combining Form	Meaning	Medical Term
□ cardi/o	heart	<u>cardi</u> omegaly
□ col/o	colon	<u>col</u> ostomy
□ enter/o	intestines	<u>enter</u> itis
□ iatr/o	treatment	<u>iatr</u> ogenic
□ neur/o	nerve	<u>neur</u> algia

Combining Forms and Vocabulary (cont'd.)

Combining Form	Meaning	Medical Term
□ ped/o	child	<u>p</u> ediatrics
□ rect/o	rectum	<u>r</u> ectoceles
□ thorac/o	chest	<u>t</u> horacotomy
□ ur/o	urinary tract	<u>u</u> rology
□ vascul/o	blood vessels	<u>v</u> asculitis



Use your textbook for the following

Medical Terms per Specialty

Cardiology

- angina
- anticoagulant
- diuretic
- hypertension
- ischemia
- antiarrhythmic

Gynecology

- dysmenorrhea
- hysterectomy
- leiomyomas
- menorrhagia
- sonogram
- fibroids

- What are the definitions of the medical terms?
- How and why do they relate to the specialty?

Medical Terms per Specialty (cont'd.)

Orthopedics

- callus
- femur
- fibula
- fixation
- fracture

Radiology

- anterior
- infiltrate
- lateral
- mediastinal
- posterior

- What are the definitions for the medical terms? Why and how do the terms relate to the specialty?

Pronunciation of Terms

Term

anesthesiology

colostomy

enteritis

gastroscopy

hematologist

iatrogenic

otitis

rectocele

vasculitis

Pronunciation

an-es-the-ze-**OL**-o-je

ko-**LOS**-to-me

en-the-**RI**-tis

gas-**TROS**-ko-pe

he-mah-**TOL**-o-jist

i-ah-tro-**JEN**-ik

o-**TI**-tis

REK-to-sel

vas-ku-**LI**-tis

quiz end of class