DOCUMENT RESUME

ED 378 441	CE 068 166
AUTHOR	Falagrady, Teresa
TITLE	Vocabulary for Healthcare Personnel.
INSTITUTION	Denver Public Schools, Colo.
SPONS AGENCY	Office of Vocational and Adult Education (ED),
	Washington, DC. National Workplace Literacy
	Program.
PUB DATE	15 Jul 94
NOTE	148p.; For related modules, see CE 068 153-167. Some
	handouts may contain very small or broken type.
AVAILABLE FROM	Emily Griffith Opportunity School, 1250 Welton
	Street, Denver, CO 80204 (\$27.60).
PUB TYPE	Guides - Classroom Use - Teaching Guides (For
	Teacher) (05 2)
EDRS PRICE	MF01/PC06 Plus Postage.
DESCRIPTORS	*Adult Literacy; Definitions; Health Services;
	"Hospital Personnel; Learning Activities; Learning
	Modules; *Literacy Education; *Medical Vocabulary;
_	"Vocabulary Development; "orkshops
IDENTIFIERS	*Workplace Literacy

ABSTRACT

Developed by educators from the Emily Griffith Opportunity School, this teacher's guide presents a course in health care vocabulary for secretaries, medical records personnel, laboratory assistants, shipping personnel, and patient relations personnel in health care facilities. The course, which should require 10-14 hours of instruction, contains lessons that cover the following topics: introduction--medical systems, word parts, Greek and Latin derivatives, prefixes and suffixes, common medical terms, and mnemonics. Half of the lessons are devoted to review and practice activities; pre- and post-tests and an evaluation section are also included. Lessons consists of a topic, objectives, instructor information, materials (multiple handouts), and accivities with teacher notes. Contains 13 suggested medical resources. (KC)



VOCABULARY FOR HEALTHCARE PERSONNEL

U S DEPARTMENT OF EDUCATION Of ce of Educational Research and Improvomment EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC) This document has been reproduced as received from the person or organization originating it

Minor changes have been made to improve reproduction quality

ED 378 441

CE 06F166

ERIC

 Points of view or opinions stated in this document do not necessarily represent official OERI position or policy

Teresa Falagrady, M.A.

Emily Griffith Opportunity School 1250 Welton Street Denver, Colorado 80204

July 15, 1994

BEST COPY AVAILABLE

VOCABULARY FOR HEALTHCARE PERSONNEL

The activity which is the subject of this report was supported in part by the U.S. Department of Education. However, the opinions expressed herein do not necessarily reflect the position or policy of the U.S. Department of Education or Emily Griffith Opportunity School, Denver Public Schools, and no official endorsement by these agencies should be inferred.

© 1994 by Workplace Education Project Emily Griffith Opportunity School, Denver Public Schools All Rights Reserved Denver, Colorado

Teresa Falagrady, M.A.

July 15, 1994



INTRODUCTION TO THE WORKPLACE LITERACY PROJECT

This module was developed by educators from Emily Griffith Opportunity School as part of a National Workplace Education grant funded by the U.S. Department of Education. A cooperative effort between the business and education communities, the program was designed specifically to enhance employees' literacy skills.

Direct benefits to the workforce include improved morale and motivation, self-esteem, team work, and promotional opportunities.

We gratefully acknowledge the assistance of our partners. In addition we recognize all of the students who participated in classes and who provided us with invaluable feedback for strengthening future classes.

We hope partnerships such as these will provide the catalyst for developing new or continued on-site educational opportunities.



TABLE OF CONTENTS

<u>Section</u>		Page
Foreword		·iv
Lesson I -	Introduction: course Introduction: instructor/employees Pre-test Medical Systems & Activity	1
Lesson II -	Word Parts & Activity Greek & Latin Derivatives & Activity More Review of Prefixes/Suffixes Common Medical Terms & Activity	33
Lesson III -	Short-term Review & Activity Review: Practice One	57
Lesson IV -	Review: Praclice Two Mnemonic & Activity	73
Lesson V -	Review: Practice Three	81
Lesson VI -	Review: Practice Four	85
Lesson VII -	Review: Practice Five	107
Lesson VIII -	Post-test Evaluation	127
Medical Resou	rces List	143
VOCABULARY F	OR HEALTHCARE PERSONNEL	iii



.

FOREWORD

The vocabulary used in healthcare is a complicated one -however, one that can be mastered by learning/reviewing word parts first, and practicing, second.

Vocabulary for Healthcare Personnel is intended for those employees whose jobs include secretaries/ administrative assistants, insurance and medical records personnel, lab assistants, stocking and shipping personnel, patient relations personnel, and diet aides among them. Degree-seeking employees, such as nurses, etc., who require more technical knowledge, may want to consider enrolling in a longer, more in-depth medical terminology course.

This curriculum was originally used to supplement a broader, more detailed medical terminology course; however, it is complete enough within itself and can easily be used as an introduction/refresher to vocabulary-word review. It is intended for 10-14 hours of instruction, and it focuses on learning through repetition. Three-to-five hours per week outside of class is recommended for review.

The areas covered are definitions, usage, spelling, pronunciation, and memory devices for remembering terms. There are many activities included, and they were specifically chosen to make learning more enjoyable and relevant to employees' jobs. These activities are crossword puzzles, fill in the blank, matching, multiple choice, hangman, true/false, compare/contrast, pictographs, and flashcards. It is 6



recommended that employees bring work-related samples of healthcare vocabulary to class to connect in-class learning with employees' jobs.

The curriculum will focus initially on learning basic word parts -- prefixes, suffixes, and root words -- the Latin and Greek derivatives that comprise a large part of the English language. Then, it will continue to build medical terms from these word parts. By breaking down the lengthy and multi-syllabic words first, followed by putting the parts together, learning and mastery become more manageable.

A list of medical resource materials, featuring dictionaries and workbooks that the employee can use for independent-study can be found at the end of this curriculum. It is recommended that employees use a reference manual in class as well as at home.

The format for each lesson contains the following key areas: TOPIC, OBJECTIVE, INSTRUCTOR INFORMATION, MATERIALS, AND ACTIVITY. Each area is explained below.

<u>FOPIC</u> :	main focus of the day's lesson
OBJECTIVES:	the outcome(s) expected of the employees at the end of the lesson
<u>INSTRUCTOR</u> INFO:	directions, (if any) for the instructor regarding the day's lesson; an "I" following the HANDOUT # refers to instructor handout only
MATERIALS:	the handouts that are needed for the day's lesson
ACTIVITY:	a hands-on activity/ies for employees to reinforce the day's lesson; can be done independently, in pairs, small groups, or with the entire group;

7



(NOTE: the format can be decided by the instructor or employees; small groups of three or four or pairs is often most effective)

Special thanks to the following resources for help in compiling this curriculum:

The Language of Medicine, 4th ed., Davi-Ellen Chabner, W.B. Saunders Co., 1991

Mary's Story: A Curriculum for Teaching Medical Terminology, Institute for the Study of Adult Literacy, Penn State University, 1991

Mosby's Medical, Nursing, and Allied Health Dictionary, 4th ed., 1994

vi

Lesson 1 - Introduction

 TOPIC:
 Introductions

 OBJECTIVES:
 to allow employees to get to know one another -

professionally -- what their job responsibilities are, why they're taking the class, and personally -- what some of their characteristics are

9

<u>INSTRUCTOR</u>: part of activity may be omitted if time constraint **<u>INFO</u>**:

MATERIALS: HANDOUT #1 (Warm-up Activity)

<u>ACTIVITY</u>: participants take turns introducing their partners; instructor introduces self, answers any questions, reviews class goals; distributes *Suggested Medical Resources* list (page 143) and reviews layout of curriculum



VOCABULARY FOR HEALTHCARE PERSONNEL

<u>TOPIC</u> :	Pre-test
OBJECTIVES:	to learn both from the employee's perspective and from the instructor's how much prior healthcare vocabulary knowledge employee has
<u>INSTRUCTOR</u> : <u>INFO</u> :	it is recommended that the test be taken individually
MATERIALS:	HANDOUT #2 (Pre-test)
ACTIVITY:	employees complete pre-test; discuss and check answers afterward; put an asterisk next to any incorrectly answered question; review as a whole group

10

·

.

ERIC Pruit least Provided by Edit

HANDOUT #1

WARM-UP ACTIVITY

Interview the person next to you. Find out the following information:

1. Name

- 2. Where he or she works (site)
- 3. Department
- 4. Responsibilities
- .5. Reason for taking this class

Now, individually, answer one of the questions below:

- 1. My pet peeve is ...
- 2. My friends like me because ...
- 3. I wish I could stop ...



VOCABULARY FOR HEALTHCARE PERSONNEL

.

HANDOUT #2

PRE-TEST



4

VOCABULARY FOR HEALTHCARE PERSONNEL



Match the word on the left to its meaning on the right. Not all meanings will be used.

.

lingu/0	,	A .	tooth
hepat/o		B.	joint .
cephal/o	<u></u>	C.	skull
cost/o		D.	kidney
denti/i		E.	tongue
sclerosis		F.	feeling/sensation
arthr/o		G.	the head
crani/o	·	H.	the rib
		I.	liver

J. hardening



Use the word parts in the box to match the meanings. Not all word parts will be used.

oma	tachy	pulmon/o	febr/o
psyche .	cost/o	encephal/o ·	spondyl/o
plasty	toxic	myel/o	myl/o
dactyl/o	brady	plasty	hydr/o/a

المتعار وقود المتعار والقار المتعار العد والعالم المتعار والمتعار والمتعار والمتعار والمتعار	poison
والمراجعة والمراجعة والمراجعة والمراجعة والمراجع المراجع المراجع والمراجع والمراجع والمراجع والمراجع	tumor
واران والمر الكر التي المراجع	the mind
بعثون ویکی بیشند ولین است. این	fast
	anneight reconstruction
المناخبة والمركبة فتنت فلت والمناخبة والمركبة والمركبة والمركبة	surgical reconstruction
	lung
	-
	lung

14

VOCABULARY FOR HEALTHCARE PERSONNEL

new سهد هيده جيده بديره، معيد جيده منته حيده منه تعليه فعله منته عنه ا within سب ملك وربع بالله منبع مندر التك فالا المله منبع إيجه التله منبع ع bone جناها فسالة اللكي فسالة فسالة فلناته وتبليا جلالنا سنابة جلالته يجببو بربنا inflammation below, too little . many muscle fal ----against without .

Write the word part in the blank that corresponds to each definition.



Separate each word below into its parts and then write the meaning.

intracranial .	
thermalgesia	
meningitis	
electrocardiogram	
rhinometer	
hypoesthesia	
mastectomy	·
	16

8

VOCABULARY FOR HEALTHCARE PERSONNEL

Use the two word parts to make a word that means:

•

an expert of the heart				
	+	=		
surgical removal of th	e uterus			
·	+	***		
abnormally large fing	ers or toes			
<u> </u>	+	=	-	
an inflammation of th	e kidney			
		=		
paralysis of all four e	xtremities			
	+	=		
water treatment				
	+	=		
•				

17



s

.

HANDOUT #2, p. 7

Answer the following questions:

After her daily workout, Felicia took antispasmatic medicine for her legs. What was this for?

The man had edema. What does that mean?

Dr. Kay gave the patient anesthesia before surgery. What will that do?

The test showed that Sam had hyperthyroidism. Did his thyroid produce too much or too little?

.

Here are some word parts that show direction or location. Match the word on the left to its mate on the right. Some meanings might match more than one word part. Not all meanings will be used.

medial	 A .	below
trans	 В.	on the left side of the body
posterior	 C.	beside
dorsal	 D.	in the middle
inferior	 E.	across or over
	F.	back of the body



HANDOUT #2-I

PRE-TEST

(Answers)





E

hardening

J.

Match the words on the left to its meaning on the right. Not all meanings will be used.

lingu/o	E	Α.	tooth
hepat/o	I	B.	joint
cephal/o	G	C.	skull
cost/o	Н	D.	kidney
denti/i	Α	E.	tongue
sclerosis	J	F.	feeling/sensation
arthr/o	В	G.	the head
crani/o	С	H.	the rib
		I.	liver



Use the word parts in the box to match the meanings. Not all word parts will be used.

oma .	tachy	pulmon/o	febr/o
psyche	cost/o	encephal/o	spondyl/c
plasty _,	toxic	myel/o	myl/o
dactyl/o	brady	plasty	hydr/o/a
toxic		poison	
oma		tumor	
psyche		the mind	
tachy		fast	
plasty		surgical reconst	ruction
pulmon/o		lung	
brady		slow	



Write the word part in the blank that corresponds to each definition.

neo	new
intra	within
ostelo	bone
itis ·	inflammation
hypo	below, too little
poly	many
myo	muscle
psuedo	false
anti	against
an	without



Lesson I

HANDOUT #2-I, p. 5

Separate each word below into its parts and then write the meaning.

intracranial	intra - within / cranial - skull = within the skulì
thermalgesia .	therm - heat / algesia - pain = pain caused by heat
meningitis	menin - membranes of brain / spinal cord itis - inflammation of = inflammation of the membranes that surround the brain or spinal cord
electrocardiogram	electro - electrical / cardi/o - heart / gram - recording = a recording of the electricity in the heart
rhinometer	rhin/o - nose / meter - instrument used to measure = instrument used to measure the nose
hypoesthesia	hypo - too little / esthesia - feeling/sensation = decreased sensitivity to pain
mastectomy	mast - breast / ect - surgical removal = surgical removal of the breast



Use the two word parts to make a word that means:

1

an expert of the heart					
olog	ist +	cardi/o		cardiologist	
surgical ren	moval of the u	terus			
ect/e	• +	hyster/o	=	hysterectomy	
abnormally	large fingers	or toes			
mac	ro +	dactyl/o	I	macrodactylia	
an inflammation of the kidney					
itis	+	nephr/o	Ξ	nephritis	
paralysis of all four extremities					
pleg	jia +	quad	=	quadriplegia	
water treat	ment				
hyd	ro +	therapy	=	hydrotherapy	



VOCABULARY FOR HEALTHCARE PERSONNEL

Answer the following questions:

After her daily workout, Felicia took antispasmatic medicine for her legs. What was this for?

to reduce/calm the tightening & contracting of her muscles

The man had edema. What does that mean?

retention of fluid/swelling

Dr. Kay gave the patient anesthesia before surgery. What will that do? leave the patient without feeling

The test showed that Sam had hyperthyroidism. Did his thyroid produce too much or too little?

too much

26



VOCABULARY FOR HEALTHCARE PERSONNEL

Here are some word parts that show direction or location. Match the word on the left to its mate on the right. Some meanings might match more than one word part. Not all meanings will be used.

medial	D	· A .	below .
trans	F	В.	on the left side of the body
posterior	Ε	C.	beside
dorsal	Ε	D.	in the middle
inferior	Α	E.	across or over



VOCABULARY FOR HEALTHCARE PERSONNEL

27

F.

back of body

<u>TOPIC</u> :	Medical Systems
OBJECTIVES :	to review the major ten systems in the body
INSTRUCTOR: INFO:	handout is for brief review only; employees may review it more carefully at home. This curriculum does not cover the more technical areas of medical vocabulary
MATERIALS:	HANDOUT #3 (Body Systems)
<u>ACTIVITY</u> :	look at drawings of the ten systems and read accompanying text; find familiar words or word parts; quiz each other on the medical term for the common word

.

El

HANDOUT #3

BODY SYSTEMS I. CIRCULATORY SYSTEM Circulation of Blood Lury capiliance Pulmonary circulation aona heart artenes Systemic circulation voins artenoles venulee tiasue capilleries

Colored vessels contain blood that is rich in oxygen. Arrows show the path of blood flow from the tissue capillaries through venules and veins toward the heart, to the lung capillaries. back to the heart, out the aorta to the arteries and arterioles, and then to the tissue capillaries.

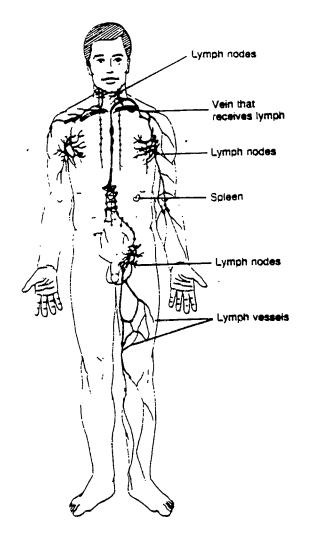
VOCABULARY	FOR	HEALTHCARE	PERSONNEL
------------	-----	------------	-----------

BEST COPY AVAILABLE

HANDOUT #3

I. CIRCULATORY SYSTEM (Continued)

Circulation of Lymph



Lymph originates in the tissue spaces around cells, travels in lymph vessels and through lymph nodes to a large vein in the neck where it enters the bloodstream. Lymph contains white blood cells (lymphocytes) that help the body fight disease. The spleen produces lymphocytes and disposes of dying blood cells.

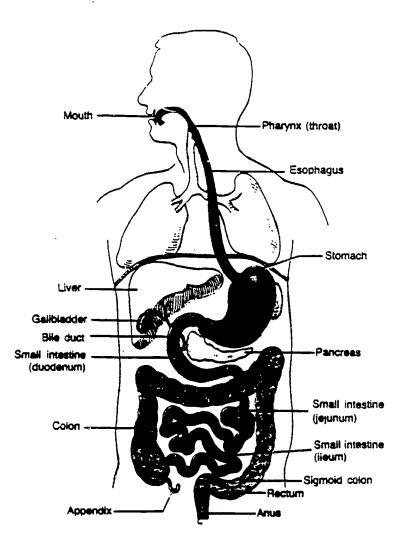
VOCABULARY FOR HEALTHCARE PERSONNEL

³⁰

Lesson I

HANDOUT #3

II. DIGESTIVE SYSTEM



Food enters the body via the mouth and travels through the pharynx, esophagus, and stomach to the small intestine. The liver, gallbladder, and pancreas make and store chemicals that aid in the digestion of foods. Digested (broken down) food is absorbed into the bloodstream through the walls of the small intestine. Any food that cannot be absorbed continues into the colon (large intestine) and leaves the body through the rectum and anus.

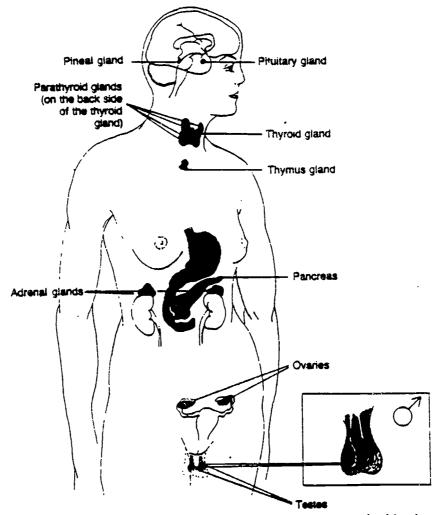
VOCABULARY FOR HEALTHCARE PERSONNEL



31

HANDOUT #3

III. ENDOCRINE SYSTEM



Endocrine glands secrete (form and give off) hormones into the bloodstream. The hormones travel throughout the body and affect organs (including other endocrine glands) to control their actions.

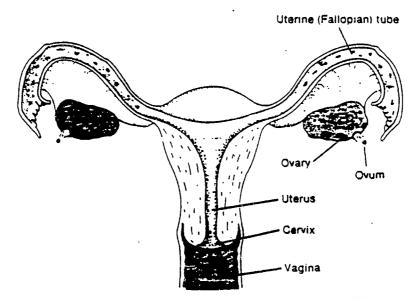
VOCABULARY FOR HEALTHCARE PERSONNEL



³²

HANDOUT #3

IV. FEMALE REPRODUCTIVE SYSTEM



An egg cell (ovum) is produced in the ovary and travels through the uterine (fallopian) tube. If a sperm cell is present and fertilization (the union of the egg and sperm cell) takes place, the resulting cell (embryo) may implant in the lining of the uterus. The embryo (later called the fetus) develops in the uterus for nine months and is delivered from the body through the cervix and vagina.

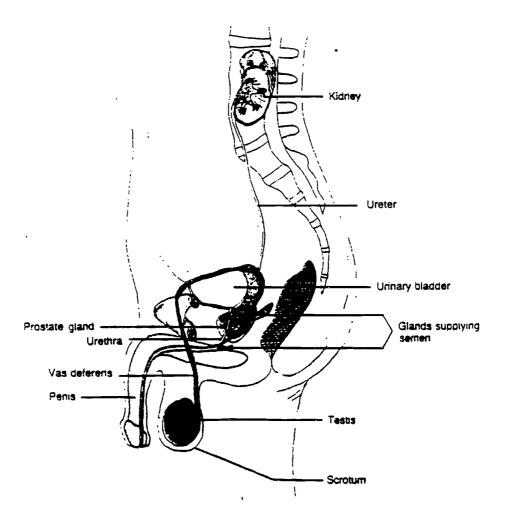
33



Lesson I

HANDOUT #3

V. MALE REPRODUCTIVE SYSTEM



Sperm cells are produced in the testes (singular: testis) and travel up into the body, through the vas deferens, and around the urinary bladder. The vas deferens unites with the urethra, which opens to the outside of the body through the penis. The prostate and the other glands near the urethra produce a fluid (semen) that leaves the body with sperm cells.

3.1

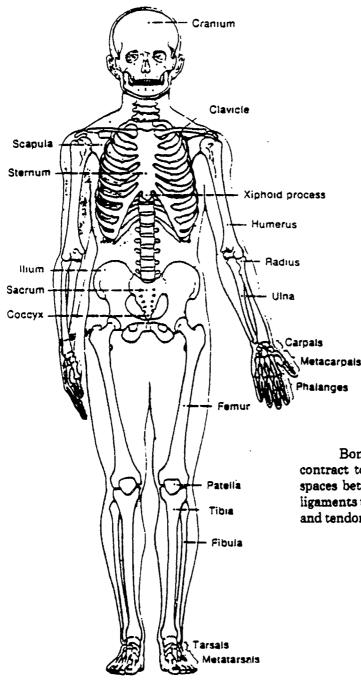
VCCABULARY FOR HEALTHCARE PERSONNEL

• IC

HANDOUT #3

VI. MUSCULOSKELETAL SYSTEM

Bones: Anterior View



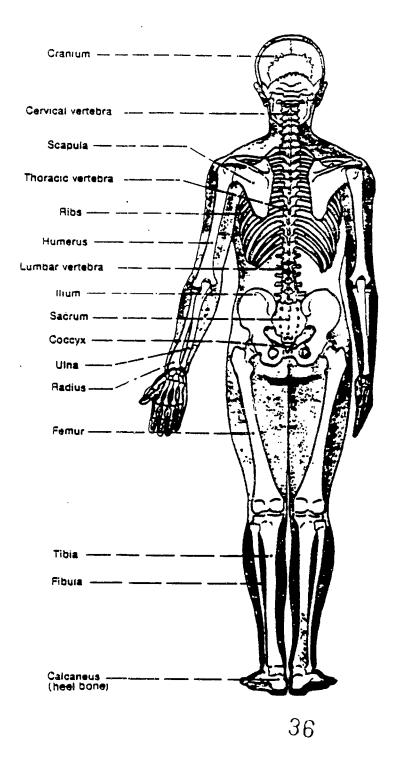
Bones are connected to muscles that contract to move the body. Joints are the spaces between bones. Near the joints are ligaments that connect bones to other bones and tendons that connect bones to muscles.



HANDOUT #3

VI. MUSCULOSKELETAL SYSTEM (Continued)

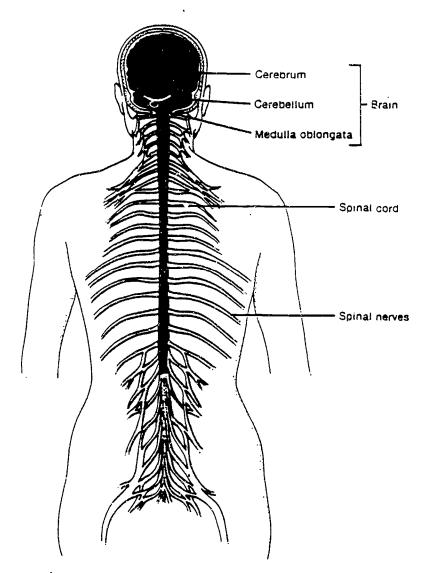
Bones: Posterior View



VOCABULARY FOR HEALTHCARE PERSONNEL



VII. NERVOUS SYSTEM



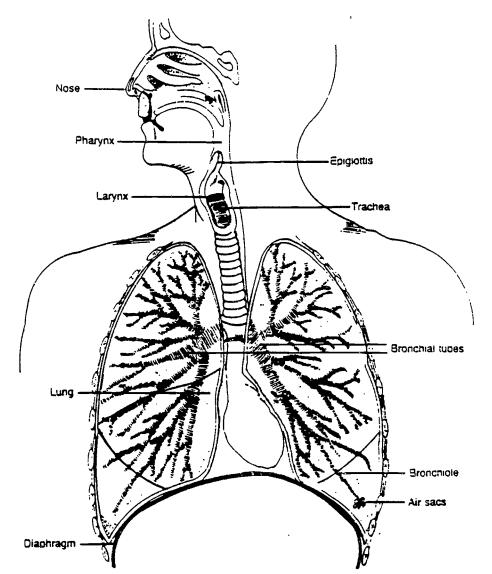
The central nervous system is the brain and the spinal cord. The peripheral nervous system includes the nerves that carry messages to and from the brain and spinal cord. Spinal nerves carry messages to and from the spinal cord, and the cranial nerves (not pictured) carry messages to and from the brain.

37

ERIC A full East Provided by ERIC VOCABULARY FOR HEALTHCARE PERSONNEL

Lesson I

HANDOUT #3



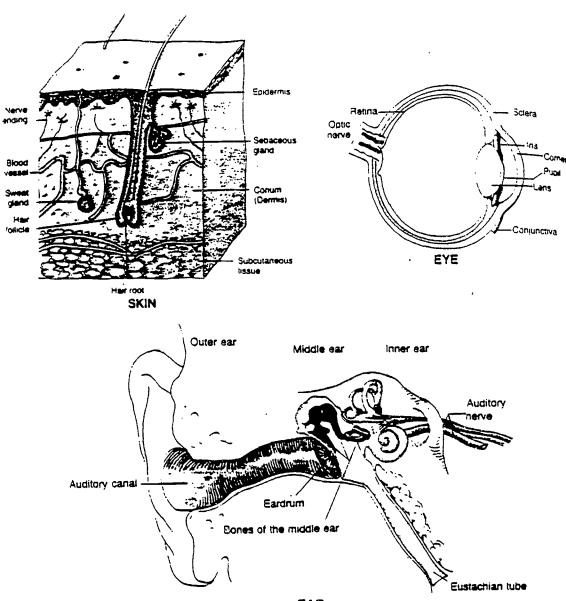
VIII. RESPIRATORY SYSTEM

Air enters the nose and travels to the pharynx (throat). From the pharynx, air passes the epiglottis and larynx (voice box) into the trachea (windpipe). The trachea splits into two tubes, the bronchial tubes, that carry air into the lungs. The bronchial tubes divide into smaller tubes called bronchioles that end in small air sacs. The thin air sacs allow oxygen to pass through them into tiny capillaries containing red blood cells. The red blood cells transport the oxygen to all parts of the body.

In a similar manner, gaseous waste (carbon dioxide) leaves the blood to enter air sacs and then travels out of the body through bronchioles, bronchial tubes, trachea, larynx, pharynx, and the nose.

Lesson I

HANDOUT #3



IX. SKIN AND SENSE ORGANS

EAR

39

The skin and sense organs receive messages (touch sensations, light waves, sound waves) from the environment and send them to the brain via nerves. These messages are interpreted in the brain, making sight, hearing, and perception of the environment possible.

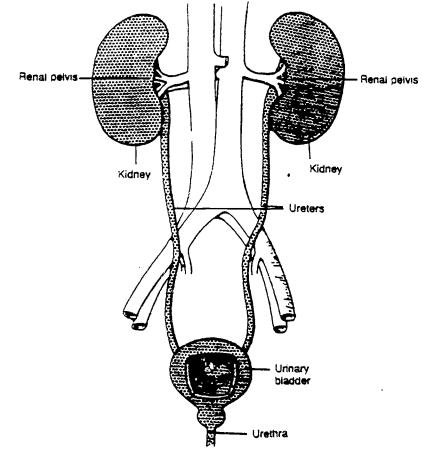
VOCABULARY FOR HEALTHCARE PERSONNEL



Lesson I

HANDOUT #3

X. URINARY SYSTEM



Urine is formed as waste materials, such as urea, are filtered from the blood into the tubules of the kidney. Urine passes from the tubules into the central collecting section of the kidney, "he renal pelvis. Each renal pelvis leads directly to a ureter, which takes the urine to the urinary bladder. The bladder releases urine to the urethra and urine leaves the body.



Lesson 2

TOPIC:	Word Parts
OBJECTIVES:	to review/learn the basic components of words
<u>INSTRUCTOR</u> : <u>INFO</u> :	none
MATERIALS:	HANDOUT #4 (Prefixes, Suffixes, and Root Words)
<u>ACTIVITY</u> :	employees complete the exercise, compare answers, and discuss



PREFIXES, SUFFIXES, AND ROOT WORDS

Prefixes are letters added to the beginnings of words. They have definite meanings and change the meanings of the words they are added to.

Example: re = again regain means "gain again" mis = wrong . mistake means "to take wrong"

Underline each correct meaning. Write a healthcare word and its meaning for as many prefixes as you can. The first one is done for you.

bi (one, two, three) bilateral on both sides

- 1. super (under, over, against)
- 2. post (now, before, after)
- 3. an (between, in, without)
- 4. sub (under, over, again)
- 5. pre (after, before, for)
- 6. inter (between, out, with)
- 7. intra (within, out, across)
- 8. trans (up, down, across)
- 9. para (two, in, side)
- 10. uni (one, two, many)



HANDOUT #4-I

PREFIXES, SUFFIXES, AND ROOT WORDS

Prefixes are letters added to the beginnings of words. They have definite meanings and change the meanings of the words they are added to.

Example:	re = again	
	regain means gain again"	
	mis = wrong mistake means "to take wrong'	

Underline each correct meaning. Write a healthcare word and its meaning for as many prefixes as you can. The first one is done for you.

bi (01	ne, \underline{two} , three) bilat	teral on both sides
1.	super (under, <u>over</u> , against)	t) superior - toward the head
2.	post (now, before, <u>after</u>)	postop - the period after an operation
3.	an (between, in, without)	anhydrous - without water
4.	sub (<u>under</u> , over, again)	subdermal - under the skin
5.	pre (after, <u>before</u> , for)	preoperative care - care before an operation
6.	inter (between, out, with)	intervertebral - between the vertebrae
7.	intra (within, out, across)	intravenous - within a vein
8.	trans (up, down, <u>across</u>)	transfusion - blood passed from one individual to another
9.	para (two, in, <u>side</u>)	paralysis - loss of movement along one side
10.	uni (<u>one</u> , two, many)	unilateral - one side
VOCA	BULARY FOR HEALTHCARE PERSO	ONNEL 43 35



.

<u>TOPIC</u> :	Greek and Latin Derivatives
OBJECTIVES:	to review/learn the word parts that derived from Greek and Latin
<u>INSTRUCTOR</u> : <u>INFO</u> :	choose several commonly-found word parts ahead of class time, distribute handout, ask employees to locate these common medical word parts and their meanings
<u>MATERIALS</u> :	HANDOUT #5 (Greek and Latin Verbal Derivatives)
ACTIVITY:	find instructor-chosen word parts and review meaning; write a medical term using that word part; choose a few different word parts quiz other employees about the meanings and ask to provide a medical term using that word part



.

Greek and Latin verbal derivatives

The verbs or combining forms of verbs listed in Appendix 5-5 are derived from either Greek or Latin. They may be attached to other roots to form words, or suffixes and prefixes may be added to them to form words. In the table the part or root of the word to which the verb is attached is italleized, and the meaning, if not clear, is given in parentheses.

Pain Hear, hearing Live Burn Puncture, perforate Break Lead Pain	Cardialgia (heart) Gastralgia (stomach) Neuralgia (stomach) Audiometer (hearing (est device) Audiology (study of hearing) Biology (study of living things) Biology (study of hearing) Cassadgle (burning pain) Cassadgle (burning) Arthrocentesis (joint) Enterocentesis (intestine) Osteoclasis (surgical (fracture) Classothrix (splitting of hair) Abdact (lead away from) Duct (tube leading to or from) Massodynia (breast)
Live Burn Puncture, perforate Break Lend	Gastralgia (stomach) Neuralgia (nerve) Audioneter (hearing (est device) Audiology (study of hearing) Biology (study of living things) Biology (study of living things) Causadgia (barning pain) Causery (device to scar or burn) Thoracocentesis (chest) Pneumocentesis (chest) Pneumocentesis (long) Arthrocentesis (long) Arthrocentesis (intestine) Osteoclasis (surgical fracture) Clastothriz (splitting of hair) Abdact (lead away from) Duct (tube leading to or from)
Live Burn Puncture, perforate Break Lend	Neuralgia (nerve) Audiometer (hearing test device) Audiology (study of hearing) Biology (study of living things) Biogenesis (origin of life) Causalgia (burning pain) Causery (device to scar or burn) Thoracocentesis (chest) Pneumocentesis (lung) Arthrocentesis (lung) Arthrocentesis (joint) Enterocentesis (lintstine) Osteocentesis (surgical fracture) Classinthers (suplitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Live Burn Puncture, perforate Break Lend	Audiology (study of hearing) Biology (study of living things) Biogenerals (origin of life) Causalgie (burning pain) Causalgie (burning pain) Causalgie (burning pain) Charley (device to scar or burn) Thoracocentesis (chest) Pneumocentesis (chest) Pneumocentesis (lung) Arthrocentesis (joint) Enterocentesis (intestine) Ostrocelasis (surgical fracture) Clastotherix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Bwm Puncture, perforate Break Lend	Audiology (study of hearing) Biology (study of living things) Biogenerals (origin of life) Causalgie (burning pain) Causalgie (burning pain) Causalgie (burning pain) Charley (device to scar or burn) Thoracocentesis (chest) Pneumocentesis (chest) Pneumocentesis (lung) Arthrocentesis (joint) Enterocentesis (intestine) Ostrocelasis (surgical fracture) Clastotherix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Bwm Puncture, perforate Break Lend	Biology (study of living things) Biogenesis (origin of life) Couse/gle (burning pain) Cautery (device to scar or burn) Thoraccentesis (chest) Pneumocentesis (bung) Arthrocentesis (joint) Enterocentesis (intestine) Osteoclasis (surgical fracture) Clastothrix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Puncture, perforate Break Lend	Causalgle (burning pain) Cautery (device to scar or burn) Thoracoccutesis (chest) Pneumocentesis (bung) Arthrocentesis (joint) Enverocentesis (intestine) Osteoclasis (surgical fracture) Clautotheir (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Puncture, perforate Break Lend	Cantery (device to scar or burn) Thoracocantesis (chest) Pneumocentesis (lung) Arthrocentesis (joint) Enterocentesis (intestine) Osteoclasis (surgical fracture) Classintheir (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Break Lend	Thoracocentesis (chest) Pneumocentesis (lung) Arthrocentesis (joint) Emerocentesis (intestine) Osteocensesis (surgical fracture) Classintheriz (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Break Lend	Pneumocentesis (lung) Arthrocentesis (joint) Enterocentesis (intestine) Osteoclasis (surgical fracture) Clastothrix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Lend	Arthrocentesis (joint) Enverocentesis (intestine) Osteoclasis (surgical fracture) Clastothrix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Lend	Enterocentesis (Intestine) Osteoclasis (surgical fracture) Clastothrix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Lend	Osteoclasis (surgical fracture) Clastotheix (splitting of hair) Abdoct (lead away from) Duct (tube leading to or from)
Lend	Clastothrix (splitting of hair) Abdact (lead away from) Duct (tube leading to or from)
	Abduct (lead away from) Duct (tube leading to or from)
	Duct (tube leading to or from)
Pain	
Pain	Mastodynia (breast)
	• • •
	Plewodynia (chest)
	Escphegodynia (esophagus)
	Coccy adynia (coccyx)
Dilate	Veneculate (dilation of vein)
	Philipectasia (dilation of veins)
Sweiling	Cephalodema (swelling of head)
	, Edematous (swollen)
Sensation	Amesthesia (without sensation)
	Esthesiogenic (producing sensation)
Split, cleft	Fissure (a cieft or groove)
	Fissile (capable of being split)
Bend	Amerilect (bend forward)
	Flexion (bending)
Flow	Fluctuate
	Pluxfor
	Afthem
Producing	Genesis (origin or beginning)
-	Genophobia (fear of sexuality)
Treatment	Geristrics (treatment of aging)
•	Pediatrics (treatment of children)
Movement, motion	Kinetogenic (producing movement)
•	Kinomometer (motion measurer)
Bind	Ligament (suffix added to make note)
	Ligne
	Liganore
Study	Parasitology (perasites)
	Bacteriology (becteris)
	Histology (tinues)
Dissolve	Lyotropic (readily soluble)
	Lysogen (producing dissolution)
Form, structure, share	Amorphous (no definite form)
· ····· ··· ··························	Polymorphic (many forms)
Smell	
UNITER	Olfactophobia (fear) Cilfactors (suffer added to make addum
Vision	Offactory (suffix added to make adjoin
* 13 FUT	Hyperopia (far sightedness) Myopia (nearsightedness)
	Sweiling Sensation Split. cleft Bend Flow Producing Treatment Movement, motion



VOCABULARY FOR HEALTHCARE PERSONNEL

BEST COPY AVAILABLE

5

.

amiliang form	Meaning	Examples
vico-, ope/o	Soeing	Opticokinetic (cye movements)
		Optometer (device for refraction)
dpit-	Flutter	Palpitarion
pertus-	Labor	Posspanner (after birth)
·		Parnurition (act of giving birth)
		Para i, ii, iii, iv, etc., are symbols for numbers of births
•	Digest	Dyspepsia (bad, difficult)
•	-	Pepric (suffix added to make adjective)
ety	Fix	Massopexy (fixation of breast)
		Nephrosplenopexy (surgical fixation of kidney and spleen)
ing-, -phago-	Eating	Phagophobia (fear of eating)
	•	Phagomania (food craving)
		Dysphagie (difficult cating or swallowing)
	Visible, manifest	Phanerosis (becoming visible)
Ma/ero-		Phanasm (unreal mental image)
han	Speak	Aphasia (loss of speech functions)
	- in the second se	Dysphasia (difficulty in speaking)
L 19	A filming lung for	Philanthropy (love of mankind)
	Affinity, love for	
	P	Philuneism (love of change)
iobie	Fear	Hydrophubia (fear of water)
		Photophobia (fear of light)
		Claustrophobia (fear of close places)
insg-	Fence off, wall off	Diaphragm (across partition separating thorax from abdomen)
	_	Phragmoplass (enclosed spindle where midbody forms in mitosis)
vias-	Form, grow	Neuplar w (new growth)
		Rhinoplasty (nose operation for formation of nose)
		Otoplasry (common bile duct)
iegia	Paraiysis	Paraplegia (paralysis of lower trunk and legs)
-		Hemipicgia (une-sided parelysis)
me-, -pneo-	Breache	Dyspnes (difficult breathing)
		Apnea (lack of breathing)
		Hyperpace (overbreathing)
eicsis	Formation, production	Hemopolesis (blood cell formation)
		Leukopoiesis (white bloud cell production)
cocis	Fall	Pructoptusis (anus-prolapse of anus)
,		Splunchnoptosis (viscera)
mania	Burst forth, pour	Menorthugia (abnormal bleeding during menstruation)
nhagia.	San tout par	Menometrorthagia (abnormal werine bleeding)
		liemonhage (blood)
• •	C. Marine	Herniorshaphy (suturing or repair of hernia)
nhaphy	Suture	Heputorthaphy (liver)
		Nephromhaphy (kidney)
	—	
Thes	Flow, discharge	Leukorthea (white discharge from vagina)
		Gulauprrhen (milk discharge)
	_	Rhinomhea (nasai discharge)
nhezis	Rupture	Emerorthezis (imestines)
		Alexorthexis (vierus)
chist/o-, schiz/o-	Split, cleft, division	Schistocystis (blackler fissure)
	·	Schizunychia (splitting of nails)
scope	Examine	Micrincope
•		Cuniliuscope
		Endoscope (within - an instrument for examining the interior of a
		hollow viscus)
pasm/a-	Spesm	Spearnugenic (causing spearn)
	< -F	Speamolysis (relieving speam)
anaia	Standing still.	llemostasis (stuppage of blood flow)
plaștă	•	Epistania (stoppuge of a flow)
	stoppage	Abierana (anakhaBa as a saant
staris	Drup	Teamer
·ieg-, -loct-	Cover	Tegmen Tectum (cooflike structure)
	m	Integument (skin covering)
-therap-	Trest, cure	Therapy
		Neurotherapy (nerves)

46

VOCABULARY FOR HEALTHCARE PERSONNEL

BEST COPY AVAILABLE

Root or combining form	Meaning	Examples
-therap cont'd		Chemotherapy (chemicals)
	•	Physiotherapy
-(omy	Cut. incise	Phlebotomy (incision of vein)
		Arthrotomy (joint)
		Appendectomy (ectomy, meaning cut out-excision of appendix)
		Ophorectomy (excision of overy)
-topo-	Place	Topography
		Toponarcosis (numbing — hence numbing of a part, or localized anesthesia)
-troph-, -tropho-	Nourishment, food	Trophism (nutrition)
		Dyntrophy (defective nutrition)
-voiv-	Tum	Involution
		Volva/us (twisting of an organ, as in intestinal obstruction with twistlif of the bowel, or twisting of the esophagus)

47

Greek and Latin verbal derivatives-cont'd



ERIC Full Text Provided by ERIC

:

HANDCUT #5

.

Greek and Latin adjectival derivatives

. .

The roots and combining forms in Appendix 5-6 are derived fromlink or Latin adjectives. Adjectives will appear most often in computs and will be joined to either nouns or verbs. Suffixes may be white make them into nouns. In the table the part or root of the sub the adjective modifies is italicized, and the meaning, if not are, is given in parentheses.

Root or combining form	Meaning	Examples
uskyio-	Bent or crooked	Ankylogiossia (longue-tic)
•		Ankylosis (stiff or fixed joint)
81 7-	Self	Autoinfection
		Autolysis
		Autoperky (disease)
		Autopsy (view-postmortem examination)
brachy-	Short	Brachygnathous (receding underjaw)
brady-	Slow	Bradycardia (slow heartbest)
weeky-		Bradypepsia (slow digestion)
brevi-	Short	Brevicollis (short neck)
OIGVI-	3000	Brevislezor (short flexor muscle)
	Hollow	Cavity
C2V-	nonew	Cavemous
		Vena cava (vein)
	10 1	Celiac (of the abdominal cavity)
cel-, coel-	Hollow, cavity	
		Coelom (body cavity of embryo)
c ryo-	Coid	Cryotherapy (treatment using cold)
	•••	Cyroanesthesia (freezing body part)
crypio-	Hidden	Cryptorchidism (undescended testis)
**		Cryptomnesie (subconscious memory)
dextro-	Right, right side	Dextromanual (right handed)
	•	Dextrucardia (heart on right side)
dig io-	Double, twice	Diplocarie (double pupil in cyc)
		Diployie (double vision)
dolicha-	Long	Dulichulerus (long neck)
WITCHW.		Dolichocephalic (long head)
due	Difficult, bad, disordered, painful	Dysarshria (speech)
d ys-	Latticent, out, discretiont patient	Dyshidrosis (sweat)
		Dyskinesia (motion)
		Dystocia (birth)
		Dysphasia (speech)
		Dyspepsia (digestion)
CSO-	Within, inward	Esophorie (crossel eye)
		Esculeviation (a turning inward)
eu-	Weil, good	Euphorie (well-being)
		Euphagia, cupnes (beenth)
		Euchyroid (normal thyroid)
		Eurocia (normal birth)
cury-	Broad, wide	Eurycepholic (unusually broad head)
		Eurysonnoic (thickset body)
siyc/o-	Sugar, sweet	Glycamia (glucose in the blood)
		Glycogensia (sweat tank)
gravis	Heavy	Gravida (pregnant woman)
Press.	(100)	Gravidiane (pregnancy)
hepio-	Single, simple	Haploid (single chromosome set)
	auffert minhe	Hapiopasky (uncomplicated disease)
haten haten	Other, different	ileterocethular (of different cells)
hetero-, heter-	Aller ⁴ Allerene	Heterophypnesis (imbecail by another)
1	Sama alika	Homeomorphous (similar shape)
homo-, homeo-	Same, alike	Homosygous (having identical genes)
	11/	livizemie (encess weer in blood)
hydra-	Wet, water	10 Martine (changes of thirst)
		4.8 Hydroadlasis (absence of thirst)
19 0 -	Equal, siika	Lancellular (having similar colls)
		lancoria (equal-sized pupils)



40

VOCABULARY FOR HEALTHCARE PERSONNEL

BEST COPY AVAILABLE

Lessons II

HANDOUT #5

combining form	Meaning	Enmyles
atus, lat-	Broed	Latinude
	• •	Latissimus dorsi (muscle adducting humerus)
eio-	Smooth	Leindermia (smooth, glossy skin)
1	.	Leionrichmus (smooth hair)
epto-	Slender, smail, thin	Leptodermic (thin skinned)
		Leptodactylows (slender fingered)
CY0-	Left, to the left	Levoducilon (eyes turn left)
	•	Levoratation (turning to the left)
ongus, long-	Long	Longinude
	•	Adductor longus (muscle of thigh)
THECTO-	Large	Macrocephaly (having large brain)
	•	Macrobiosis (long life)
negne-	Large, great	Magninule
	*** * *	Adductor megnus (thigh muscle)
nei-	III, bed	Malady (illness)
•		Malaise (general discomfort)
maiac/o-	Soft, softening	Malacía (softening)
		Malacotomy (incision of soft parts)
medi-	Middle	Median
		Medium
		Gintens medius (femur muscle)
mega-, meg/alo-, meg/aly-	Large, oversized	Megnigia (severe pain)
		Megniomania (grandiose delusions)
		Hepatomegaly (enlarge liver)
meso-	Middle, mid	Mesocarpel (wrist)
		Mesoderm (skin)
		Mesorhellum (a membrane lining of cavities)
micro-	Smail	Microginssia (tongue)
		Microblepharia (cyclids)
		Microorganism
		Microphonie (voice)
minimus	Smallest	Gluteus minimus (smallest muscle of hip)
		Adductor minimus (muscle of thigh)
mio-	Less, decrease	Minsis (contraction of pupil)
		Micoragia (decreased activity)
muiti-	Many, much	Multipara (to bear-woman who has borne more than one ch
	-	Multilohar (lobes)
		Multicentric (centers)
necro-	Desih	Necropsy (autopsy)
		Necrophobia (fear of death)
neo-	New	Neoformation
		Neomarphism (form)
		Neonatal (first 4 weeks of life)
		Neoparky (disease)
oligo-	Few, little	Oligomenorrhea (scanty menses)
0	• • • • •	Oligosymptometic (few symptoms)
opisth/o-	backward, behind, dorsal	Opisthocheille (recession of lips)
		Opisthoporeia (walking backward)
ortho-	5 ght, normal, correct	Orthodonries (straightening teeth)
		Orthograde (walking erect)
ORY-	Sharp, quick	Onyesthesia (overly acute senses)
S A J	aumht dacy	Oxyrhine (sharp-pointed nose)
pechy-	Thick	Pachyderma (abnormally thick skin)
 , -	1 ITT. 3)	Pachyarrma (aonormaly unce sen) Pachyarrchia (overly thick nails)
paleo-	Old animitive	
haren	Old, primitive	Palengenetic (originated in past)
platy-	Flat, wide	Paleologic (primitive reasoning)
h	Fine, wrong	Platyginssal (wide flat tongac)
pico-	More	Platycephaly (flattened skull)
press	(VEUT C	Pierwexia (excessive greediness)
		Picanosicosis (excess bane growth)

Greek and Latin adjectival derivatives-cont'd

.

49



VOCABULARY FOR HEALTHCARE PERSONNEL

41

BEST COPY AVAILABLE

.

HANDOUT #5

Root or mbining form	Meaning	Examples
poikilo-	Irregular, varied	Poikiloderme (motiled skin)
home		Poikiloshermic (cold blooded)
poly-	Many, much	Polyhedral (many bases or faces)
P 1	· · · · · ·	Polymanie (more than two breasts)
		Polymelia (supernumerary limbs)
		Polymyalgia (pain in many muscles)
pronus	Face down	Prone
promo		Pronotion
pseudo-	False, spurious	Pseudostratified (layered)
picture		Psuedocirrhosis (suggestive of cirrhosis of liver)
		Pseudohypertrophy
sciero-	Hardness	Sclerosis (hardening)
39,964 V**	•••	Arteriosclerosis (artery hardening)
scalio-	Twisted, crooked	Scoliosis (crooked spine)
		Scoliohyphosis (curvature of spine)
simistro-	Left	Sinistrocular (left eyed)
		Sinistromented (left handed)
steno-	Narrow	Stenosed (narrowód, contracted)
		Stenussomie (narrow oral cavity)
stereo-	Solid, three dimensions	Stereoscopic (solid appearance)
		Stereopsis (three-dimensional vision)
supinus	Face up .	Supine
al balance	·	Supination -
		Supinator longus (muscle in arm)
tachy-	Rapid, fast	Tachyphagia (bolting one's food)
uchy-	itepier inter	Tachylogia (rapid speech)
iele-, telo-	Distant, end	Telalgie (pain from another area)
VENE+, (C)O+		Telencephalon (end brain)
thermo-	Heat	Thermogenic (producing heat)
fortune.		Thermolobile (destruction by heat)
tum ada se	Rough	Trachyphonie (voice)
trachy-	t/ Auf Bin	Trachychromatic (deeply staining)
	Dry	Xerocheilia (dry lips)
X610-	u y	Xerosiemie (dry mouth)

50



.

÷.

¢

HANDOUT #5

Miscellaneous words and combining forms

Word or	
combining form	Definition
indy fields	
cus (pl. aquae)	Latin for water
hol-, chole-, cholo-	Bile
hyle	Latin for juice: a milky fluid consisting of lymph and emulsified fats that are taken up by the
	intestinal lymphatic glands from food and eventually mixed with the blood
acryo-, lacrima	Tears
mis	Greek (haima) for blond, (-emia often appears as a suffix, as in anemia, deficiency of blood)
alact-, galacta-, galacto-	Milk
em-, hema-, hemo-, hemato-	Blood
idro	Swear
ydr-, hydro-	Water: also hydrogen
K .	Latin for milk
ocri+	Tears
moho-	Lymph
nucus	Latin for the secretions (mucins) of the mucous membranes together with the inorganic salls, desquamated cells, and leukocytes. <i>Mucous</i> is an adjective: the mucous membrane is called mucous (mu'ko'sah).
nyxo-	Mucus (Greek, myta)
Hasma	Fluid portion of the blood in which corpuscies are suspended
NN .	Latin for the liquid inflammatory product composed of leukocytes and a thin fluid
iyro-	Pus
Ayalo-	Clear, aikaline secretion from the salivary glands—— submaxillary, sublingual, parotid, or other smaller mucous glands in the mouth
angui-	8100d
erum	Latin for whey; the clear portion of animal liquid after separation from the more solid elements—especially blood serum
ialo-	Saliva or talivary gland
sudor	Latin for sweat or perspire on
N-, UTO-, UTONO-	Urine, urinary tract, or urination
Body substances	
adipn-	Fat
imylo-	Starch
cerumen	From cera, Latin for wax; a waxlike secretion found within the car (carwax)
collagen	From the Greek word <i>kolla</i> ; a derivative of colla and an albuminoid substance that acts as a mai supportive protein of skin, tendon, bone, cartilage, and connective tissue
eleo-	Oil
errum	Latin for iron
slyco-	Sugar
nein-	Salt
heme	Iron: a constituent of hemoglobin (formerly called hematin)
bormone	A chemical substance produced in the body with a specific regulatory effect on certain cells or organs
hysi-, hysio-	Glassy
lanis	Latin for stone
lipos, lipo-	Greek for fat
licho-	Stone or calculus
mel-, meli-	Sweet (from Greek and Latin words for honey)
natrium	Latin for endiam
oico	ON
petrous	Latin for resembling a rock
saccharo-	Sugar
sal	Latin for salt
seburn	Latin for suct; the secretion of the sebaceous glands
sperm	Semen, or testicular secretion
Colors	
albes	Latin for white
chloros, chioro-	Greek for green
cimhos	From kirzhus, Greek for orange-yellow

51

BEST COPY AVAILABLE



Word or combining form	Definition	
ins-cost'd		
180-	Blue	
ydero-	Red	
no-, leuko-	White	
	Saffron yellow	
stano-	Black	
	Gray, particularly referring to gray matter of the nervous system	
açıkyro-	Purple	
edo-	Red	
ber	- Latin for red	
anto-	Yetlow	
imeral combining forms		
	monu», 17Hm	
9	dyu-, dy-	
	tri.	
	teira-, teir-	
We	pent-, penta-	
X	hex-, hexa-	
rxn	hept-, hepta-	
ight	octo-, octa-, oct-	
	cnnca	
	deka-, dek-	
as hundred	hecto-, hecato-, hect-	
ne holf	hetat-	
ne thousand	Liki-	
	printo-, print-	
scand	deutero-, deuto-, deut-	
hird	trito-, itil-	
ne-hundsedth	centi-	
ne-thousandth	mili-	
wice, duplication	di-, dis-*	

"d, dis- in Latin means separation, like Greek dys.

Source: Mosby's Medical, Nursing & Allied Health Dictionary, 4th Ed., 1994

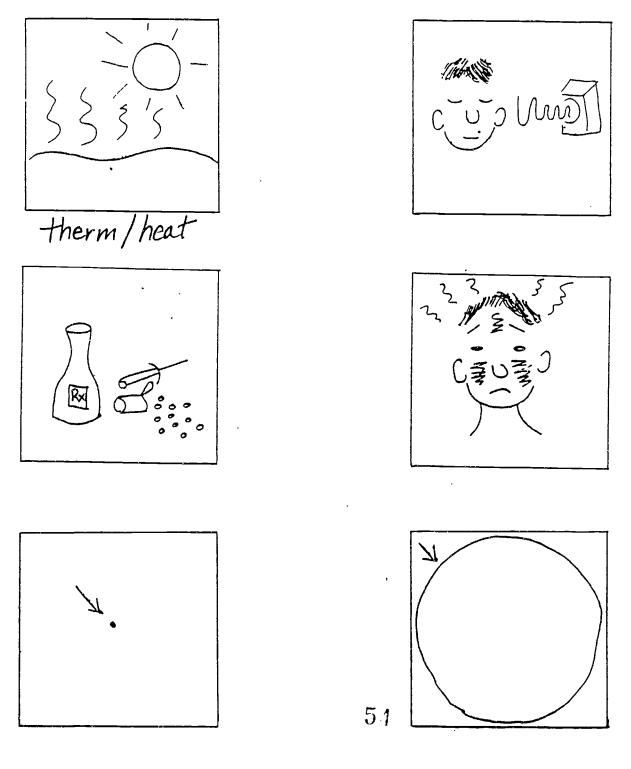
52 vocabulary for healthcare personnel

TOPIC:	More Review of Prefixes and Suffixes
<u>OBJECTIVES</u> :	to learn the meaning of healthcare words through pictures
<u>INSTRUCTOR</u> : <u>INFO</u> :	may want employees to complete handout individually at first, then in groups
MATERIALS:	HANDOUT #6 (Medical Pictographs)
<u>ACTIVITY</u> :	write both the Greek or Latin word and the commonly- known one; use the empty frame to create own, exchange papers and figure out each other's pictures

. 53 Lessons II

HANDOUT #6

MEDICAL PICTOGRAPHS



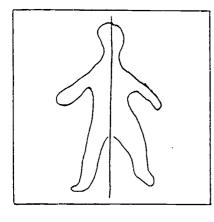
46

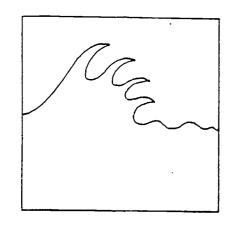


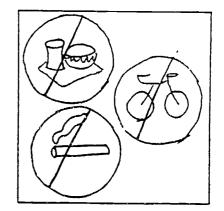
!. Lessons II P

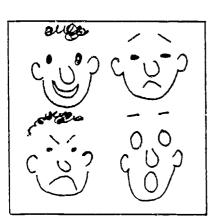
HANDOUT #6, p. 2

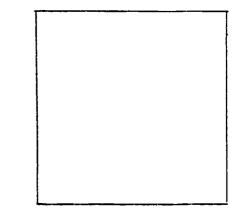












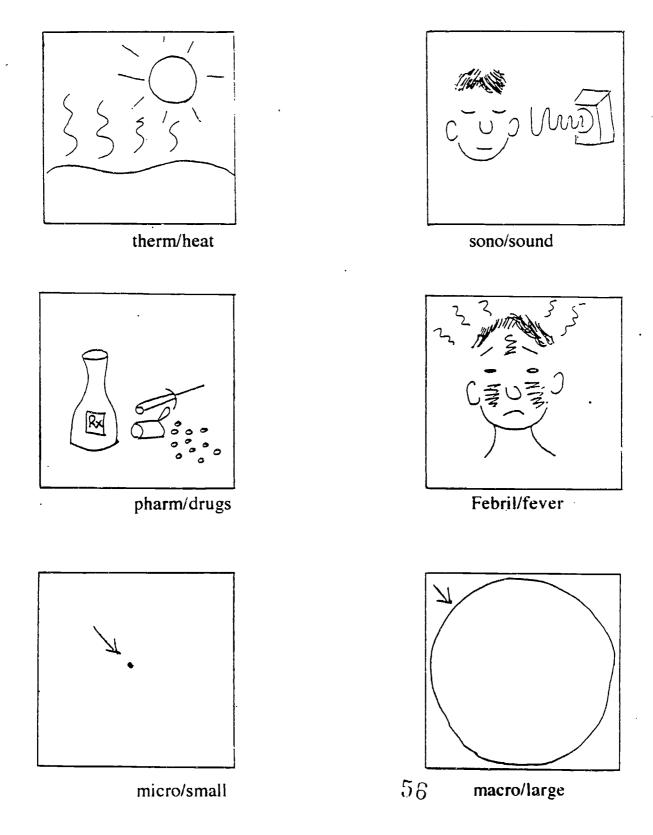




.

HANDOUT #6-1

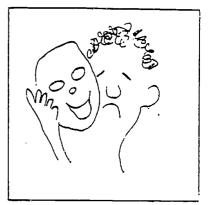
.



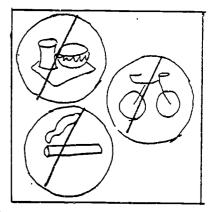
VOCABULARY FOR HEALTHCARE PERSONNEL



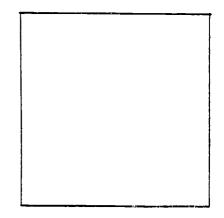
HANDOUT #6-1, p. 2



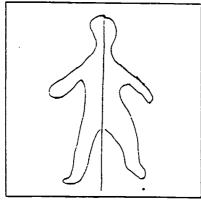
pseudo/false



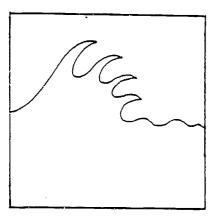
dis or anti/not, no, against



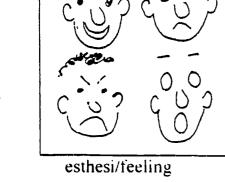




lateral/side



hydro/water



ERIC



<u>TOPIC</u> :	Common Medical Terms (and their abbreviations)
<u>OBJECTIVES</u> :	to become familiar with commonly-used words in healthcare their abbreviations and their meanings
<u>INSTRUCTOR</u> : <u>INFO</u> :	may want to split the list up to make it more manageable; can be used as an in-class activity and/or as a homework assignment
MATERIALS:	HANDOUT #7 (Common Medical Abbreviations)
<u>ACTIVITY</u> :	using medical resources (both books and people), write the meaning for these terms; discuss which ones are used most frequently in which departments of the hospital; draw pictures or diagrams to help clarify meaning; practice pronouncing terms, taking the words apart according to individual syllables.

.

.

AREA/MEANING

HANDOUT #7

<u>COMMON MEDICAL ABBREVIATIONS</u>

ABBREVIATION	TERM
AB	abortion
ABN	abdominal
ABNOR	abnormal
AIDS .	acquired immune deficiency syndrome
AMI	acute myocardial infarction
APPY	appendectomy
ARDS	acute respiratory distress syndrome
ASAP	as soon as possible
AT FIB	atrial fibrillation
BA	blood alcohol
BIL	hilateral
BKA	below knee amputation
BP	blood pressure
BPH .	benign prostatic hypertrophy
BS	blood sugar/ breath sounds
BSO	bilateral salpingo oophorectomy
BUN	blood urea nitrogen
CA	carcinoma

....



51

.

¢...

HANDOUT #7, p. 2

COMMON MEDICAL ABBREVIATIONS

ABBREVIATION	TERM	AREA/MEANING
CAB (G)	coronary artery bypass (graft)	
CAD	coronary artery disease	
CBC	complete blood count	
CC	chief complaint	
CHF	congestive heart failure	
CHI	closed head injury	
CHOLE	cholecystectomy	
CHR	chronic	
CNS	central nervous system	
CO ₂	carbon dioxide	
COPD .	chronic obstructive pulmonary disease	
C-SECT	cesarean section	
C & S	culture & sensitivity	
CTS	carpal tunnel syndrome)
CVA	cerebral vascular accide	ent
CVP	central venous pressure	;
CXR	chest x-ray	
D & C	dilation & curettage	
DGEN	degenerative	
DIS	dislocation	60

52

HANDOUT #7, p. 3

. .

COMMON MEDICAL ABBREVIATIONS

ABBREVIATION	TERM	AREA/MEANING
DKA	diabetic ketoacidosis	
DUB	dysfunctional uterine bleeding	
DVT	deep vein thrombosis	
DX	diagnosis	
EEG	electroencephalogram	
EKG	electrocardiogram	
EMG	electromyograph	
ENT	ears nose throat	
ETOH	alcohol	
FIB	fibula	
FUO	fever unknown origin	
FX	fracture/dislocation	
GB	gallbladder	
GSW	gunshot wound	
H & P	history & physical	
HBP	high blood pressure	
HYST	hysterectomy	
I & O	in and out	
INC	incomplete	
IV	intravenous	
IVP	intravenous pyelogram	



VOCABULARY FOR HEALTHCARE PERSONNEL

Lessons II

HANDOUT #7, p. 4

COMMON MEDICAL ABBREVIATIONS

! .

ABBREVIATION	TERM	AREA/MEANING
JT	joint	
L	left	
LAP	laparotomy	
LAT	lateral	
LIG	ligament	
LLE	left lower extremity	
LLQ	left lower quadrant	
LNRI .	lumbar nerve root irritation	
LS	lumbosacral	
MAX	maximum	
MI	myocardial infartion	
MIN	minimum	
MONO	infectious mononucleosis	S
MS	multiple sclerosis	
NKA	no known allergies	
OB	obstetrics	
ORIF	open reduction internal fixation	
PARA ·	paraplegic	
PAT	paroxysmal atrial tachycardia	
PE	pulmonary edema	62



54

HANDOUT #7, p. 5

AREA/MEANING

COMMON MEDICAL ABBREVIATIONS

ABBREVIATION	TERM
POSS	possible
POST OP	post operative
PROB	probable
РТА	prior to admission
QUAD	quadriplegic
R	right
RBC	red blood count
REM	rapid eye movement
RESP	respiratory
RO	rule out
RX	treat, prescribe
SCI	spinal cord injury
SOB	shortness of breath
SOM	serous otitis media
SP	status post
STAPH	staphylococcus aureus
STAT	immediately
STREP	streptococcus
ТАН	total abdominal hysterectomy
ТВ	tuberculosis



VOCABULARY FOR HEALTHCARE PERSONNEL

63

HANDOUT #7, p. 6

COMMON MEDICAL ABBREVIATIONS

ABBREVIATION	TERM	AREA/MEANING
TIA	transient ischemic attack	
TIB	tibia	
TLH	total left hip	
TMJ	temporomandibular joint	
TOS	thoracic outlet syndrome	
TURP .	transurethral resection prostate/bladder	
UA	urinalysis	
UNK ·	unknown	
URI	upper respiratory infection	
UTI	urinary tract infection	
VD	venereal disease	
VENT	ventricle	
V FIB	ventricular fibrillation	
VS	vital signs	
WND	wound	
WNL	within normal limits	
WO	without	

64

56

Lesson 3

! .

TOPIC:	Short-term Review for Long-term Memory
<u>OBJECTIVES</u> :	to begin to form a picture of medical words their spellings and abbreviations through review
<u>INSTRUCTOR</u> : <u>INFO</u> :	may want to make flashcards ahead of time especially of the harder-to-remember terms; terms should be written clearly, in large letters, and in lower case for ease of sight and remembrance; can use 5×8 cards, printer's scraps, etc. See next page for an example.
MATERIALS:	HANDOUT #8-I (Flashcards)
<u>ACTIVITY</u> :	as instructor flashes the abbreviation, write down the word it represents; reverse as the word is shown, write its abbreviation; create your own cards, bring to class and quiz co-workers



VOCABULARY FOR HEALTHCARE PERSONNEL

Lessons III

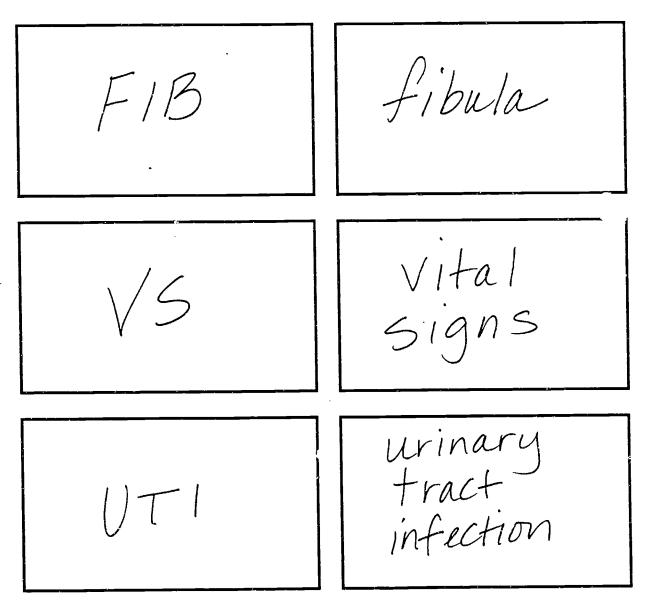
<u>*</u> .

HANDOUT #8-I

FLASHCARDS (sample)

Front side

Back side



66

TOPIC: Review: Practice One

<u>OBJECTIVES</u>: to continue to master the vocabulary used through mnemonics, true/false, pronunciation, word parts, meaning, reference areas

INSTRUCTOR:ask employees to take turns pronouncing and dividing
the words in Part III; repeat pronunciations in Part IV,
"Reference Area" refers to the body part affected

<u>MATERIALS</u>: HANDOUT #9 (Vocabulary for Healthcare Review (A))

ACTIVITY: complete the review, marking troublesome areas and/or questions that may have more than one answer, compare answers and correct; discuss



<u>Vocabulary For Healthcare Personnel (A)</u> Multiple Exercises

MEANINGS & MNEMONICS

Find the meaning for each term, then write a way for remembering it.

This root word refers to the head, _____

while this word means toward the tail _____

Postoperative means _____

•

Name two terms that mean the back side of the body or on the back

Name the two terms that mean on the belly side of a person

Describe a superficial wound.

What does *inferior* refer to (in medical terms)?

What part of the following word refers to head?: cephaloplegia

What part of the following word refers to the side?: posterolateral

68



. .

HANDOUT #9, p. 2

•

TRUE/FALSE		
Place a T	in the blank if the statement is true and an \mathbf{F} if it's false. Correct the false statements.	
	subdorsal refers to the top of the back	
	a false sensation or feeling is called <i>psudesthesia</i>	
	intracranial means between the skull	
	a feeling or sensation in the spinal cord is referred to as <i>myeloencephalic</i>	
	gastralgia means a pain in the stomach	
	anhydrous means lacking air	
	thermesthesia is the ability to recognize heat and cold	
	dorsoventral means having to do with the back and front of the body	
	microcephaly refers to an unusually large head	
	hemianalgesia refers to a lack of feeling throughout the entire body	
.e		

60



,

HANDOUT #9, p. 3

SUPERCALIFRAGILISTICEXPIALADOCIOUS &

PRONUNCIATION

Divide each of the following words into their individual sounds (not word parts) and circle the syllable with the primary stress. Be able to pronounce each sound and then the entire word.

asthemometer: as then o/me ter Example:

anesthesiologist

cephalomeningitis

electroencephalogram

encephalomyeloneuropathy

hyperthermalgesia

ophthalmalgia

polyneuralgia

thermesthesiometer

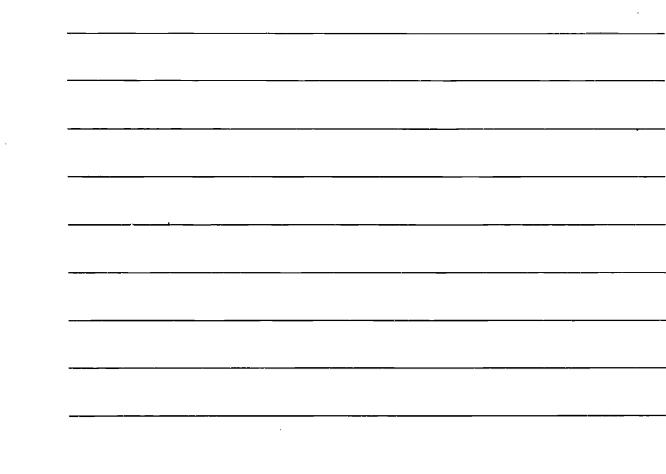


HANDOUT #9, p. 4

WORDS AND THEIR PARTS

Divide the same words used in the previous page into their individual parts (prefix/root/suffix). Define each part. Then, starting at the back of the word first and then moving to the beginning of the term and across, put all of the parts together and define the entire word.

<u>Example</u>: astnen/o: feeling meter: instrument an instrument for measuring feeling





HANDOUT #9, p. 5

"ITIS"ES AND "ALGIA"S
"ITIS"ES AND "ALGIA"S Provide the meaning for the following words that contain suffixes <i>itis</i> inflammation of and <i>algia</i> pain
MENINGitis
ENCEPHALitis
ENCEPHALOMYELitis
POSTENCEPHALitis
NEUROMYELitis
MYELitis
APPENDalgia
DERMalgia
DORSalgia
ABDOMINalgia
NEURalgia



64

.

PIN THE TERM ON THE BODY PART For each of the terms, write the abbreviation followed by the area to which the term refers. Some terms may be used more than once.

TERM	ABBREVIATION	REFERENCE AREA
Example: left upper lobe	LUL	lung
myocardial infarction		
multiple sclerosis		
infectious mononucleosis		
laparotomy		
lumbosacral		
lumbar nerve root irritation		
left lower quadrant		
left lower lobe		
left upper extremity		
high altitude pulmonary edema		
	ار بر	



HANDOUT #9-1

<u>Vocabulary For Healthcare Personnel (A)</u> Multiple Exercises

MEANINGS & MNEMONICS

Find the meaning for each term, then write a way for remembering it.

This root word refers to the head, cephal/o

while this word means toward the tail **caudal**

Postoperative means after operation

Name two terms that mean the back side of the body or on the back **posterier** dorsal

Name the two terms that mean on the belly side of a person anterior ventral

Describe a *superficial* wound. **not** deep

What does inferior refer to (in medical terms)? below/away from head

What part of the following word refers to head?: <u>cephaloplegia</u>

What part of the following word refers to the side?: posterolateral

٠

TRUE/F	
Place a T	in the blank if the statement is true and an \mathbf{F} if it's false. Correct the false statements.
F	subdorsal refers to the top of the back bottom/below the back
Т	a false sensation or feeling is called psudesthesia
F	intracranial means between the skull within the skull
F	a feeling or sensation in the spinal cord is referred to as myeloencephalic having to do with the spinal cord & brain/head
T	gastralgia means a pain in the stomach
F	anhydrous means lacking air lacking water
Т	thermesthesia is the ability to recognize heat and cold
Т	dorsoventral means having to do with the back and front of the body
F	microcephaly refers to an unusually large head usually small head
F	<i>hemianalgesia</i> refers to a lack of feeling throughout the entire body on <u>one side</u> of body



VOCABULARY FOR HEALTHCARE PERSONNEL

67

SUPERCALIFRAGILISTICEXPIALADOCIOUS &

PRONUNCIATION

Divide each of the following words into their individual sounds (not word parts) and circle the syllable with the primary stress. Be able to pronounce each sound and then the entire word.

Example: asthemometer: as then o me ter
anesthesiologist an es the si ol o gist
cephalomeningitis ceph al o men in gi tis
electroencephalogram e lec tro en ceph al o gram
encephalomyeloneuropaty en ceph al o my el o neur o path y
hyperthermalgesia hy per ther mal ge si a
ophthalmalgia oph thal mal gi a
polyneuralgia po ly neur al gi a
thermesthesiometer ther mes the si o me ter

76

WORDS AND THEIR PARTS

Divide the same words used in part iii into their individual parts (prefix/root/suffix). Define each part. Then, starting at the back of the word first and then moving to the beginning of the term and across, put all of the parts together and define the entire word.

<u>Example</u>: asthen/o: feeling meter: instrument an instrument for measuring feeling

<u>an = without, esthesi/o = feeling, ist = specialist</u> one who specializes in the loss of sensation

<u>cephal/o = head, mening = membranes, itis = inflammation</u> inflammation of the membranes surrounding the head

<u>electro = electricity, encephalo = brain, gram = record</u> record of the electronic activity of the brain

<u>encephalo = main, myelo = spinal cord, meuro = nerves, pathy</u> <u>= disease</u>

a disease involving the brain, spinal cord & nerve system

<u>hyper = too much, therm = heat, algesia = pain</u> high sensitivity to heat

ophthalm = eye, algia = painpain in the eye

<u>poly = many, neur = nerve, algia = pain</u> pain in many nerves

<u>therm = heat, esthesio = feeling, meter = instrument</u> an instrument that measures heat & cold



"ITIS"ES AND "ALGIA"S

Provide the meaning for the following words that contain suffixes *itis* -- inflammation of and *algia* -- pain

MEMINGitis membranes surrounding spinal cord

ENCEPHALitis head/brain

ENCEPHALOMYELitis head/brain/spinal cord

POSTENCEPHALitis after/head

NEUROMYELitis nerve/spinal cord

MYELitis spinal cord

APPENDalgia appendix

DERMalgia skin

DORSalgia back

ABDOMINalgia abdomen/stomach

NEURalgia nerves



, **A**

HANDOUT #9-I, p. 6

.

<u>PIN THE TERM ON THE BODY PART</u> For each of the terms, write the abbreviation followed by the area to which the term refers. Some terms may be used more than once.

TERM	ABBREVIATION	REFERENCE AREA
<u>Example</u> : left upper lobe	LUL	lung .
myocardial infarction	MI	heart
mulitple sclerosis	MS	arteries
infectious monomucleosis	MONO	lungs
laparotomy	LAP	abdomen
lumbosacral	LS	spine
lumbar nerve root irritation	LNRI	between ribs & hips
left lower quadrant	LLQ	abdomen
left lower lobe	LLL	lung
left upper extremity	LUE	arms
high altitude pulmonary edema	НАРЕ	lung



71

Lesson 4

TOPIC: to begin to master the terms on the Abbreviations list **OBJECTIVES**: may want to omit different sections than the sections **INSTRUCTOR**: omitted here INFO: HANDOUT #10 (Table Medical Terms (B)) MATERIALS: fill in different sections of the table (for the Meaning ACTIVITY: section, be as specific as possible); compare and discuss; give examples of some of the terms; use the blank sections to create own meanings/terms/abbreviations

80

Review: Practice Two



HANDOUT #10

t

<u>Vocabulary for Healthcare Personnel (B)</u> Table (Medical) Terms

Directions: Complete the table. (The first one is done for you.)

MEANING	TERM	ABBREVIATION
one of the four parts of the abdominopelvic area	Right Upper Quadrant	RUQ
		POSS
to eliminate or dismiss		
inflammation in the pelvic region; salpingitis		PID
		R
damage to the column of nervous tissue extending from the brain to the lower lumbar vertebra		SCI
before allowing a person to enter		PTA
· · · · · · · · · · · · · · · · · · ·	shortness of breath	
refers to a previous disease condition		STAT POST
apparently or presumably	probable	·
process of breathing	respiratory/ation	
opposite of the left upper arm or finger		RLE
	quadriplegic	
a symbol for medical prescription		
	rupture	
a bacterium that grows in small clusters like grapes that causes abscesses of the skin or other organs	straphylococcus aureus	

VOCABULARY FOR HEALTHCARE PERSONNEL



MEANING	TERM	ABBREVIATION
	right lower lobe	RLL
		POST OP
a period of sleep time during which dreaming occurs		
a sudden and unexpected death of an infant or young child for no apparent reason		
symptoms of depression, breast tenderness, and irritability that may occur prior to menstruation		
		SOM
opposite of the right, lower finger or toe	left lower extremity	
opposite direction of the left, lower side of the lung		RUL
cells made in the bone marrow that are necessary to carry oxygen from the lungs through the blood to all body cells		
opposite of the left, lower arm or finger		RUE
an unhealthy condition due to the loss of the mucous membrane of the stomach, duodenum, or any other part of the GI system exposed to gastric juices containing acid and pepsin		PUD
		·



VOCABULARY FOR HEALTHCARE PERSONNEL

,

.

HANDOUT #10-I

Vocabulary for Healthcare Personnel (B) Table (Medical) Terms

Directions: Complete the table. (The first one is done for you.)

MEANING	TERM	ABBREVIATION
one of the four parts of the abdominopelvic area	Right Upper Quadrant	RUQ
being within the limits of ability, capacity, or realization	possible	POSS
to eliminate or dismiss	rule out	RO
inflammation in the pelvic region; salpingitis	pelvic inflammatory disease	PID
opposite of left	right	R
damage to the column of nervous tissue extending from the brain to the lower lumbar vertebra	spinal cord injury	SCI
before allowing a person to enter	prior to admission	РТА
a brief period of time when a person is unable to take in oxygen	shortness of breath	SOB
refers to a previous disease condition	status post	STAT POST
apparently or presumably	probable	PROB
process of breathing	respiratory/ation	RESP
opposite of the left upper arm or finger	right lower extremity	RLE
a person with paralysis on four sides of his/her body	quadriplegic	QUAD
a symbol for medical prescription	treat, prescribe	RX
to break or tear apart	rupture	RUPT

VOCABULARY FOR HEALTHCARE PERSONNEL



MEANING	TERM	ABBREVIATION
a bacterium that grows in small clusters like grapes that causes abscesses of the skin or other organs	strphylococcus aureus	STAPH
opposite direction of the left, upper side of the lung	right lower lobe	RLL
aîter surgery	post operation	POST OP
a period of sleep time during which dreaming occurs	rapid eye movement	REM
a sudden and unexpected death of an infant or young child for no apparent reason	sudden infant death syndrome	SIDS
symptoms of depression, breast tenderness, and irritability that may occur prior to menstruation	premenstrual syndrome	PMS
inflammation of the middle ear caused by thin, watery fluid	serous otitis media	SOM
opposite of the right, lower finger or toe	left lower extremity	LUE
opposite direction of the left, lower side of the lung	right upper lobe	RUL
cells made in the bone marrow that are necessary to carry oxygen from the lungs through the blood to all body cells	red blood cell	RBC
opposite of the left, lower arm or finger	right upper extremity	RUE
an unhealthy condition due to the loss of the mucous membrane of the stomach, duodenum, or any other part of the GI system exposed to gastric juices containing acid and pepsin	peptic ulcer disease	PUD
		<u> </u>



77

<u>TOPIC</u> :	Mnemonics (memory devices)
OBJECTIVES:	how to remember medical vocabulary
INSTRUCTOR: INFO:	after employees have written and/or drawn ideas; collect; type, copy, and distribute handout to all participants the following class; see HANDOUT #11-I (Ideas for Remembering Medical Terms and Abbreviations) to be viewed by instructor only for an example
MATERIALS:	none
<u>ACTIVITY</u> :	write down personal ideas/suggestions for remembering some of the more difficult terms; explain ideas to others; discuss





ERIC

HANDOUT #11-I

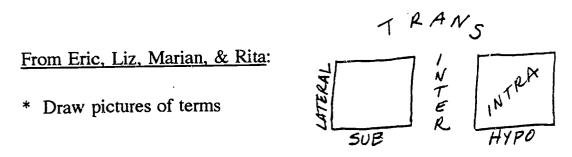
Ideas for Remembering the Medical Terms and Abbreviations

From Bruce, Linda, & Pat:

* Look for a familiar word(s) within the term and/or think of another word(s) you know that shares the same meaning of the medical term.

Examples:

AT FIB -- A trial INTER -- intermission (between) ELECTROMYOGRAM -- myo (acute myocardial infraction)



* Use words/terms that are already familiar to you as a way of figuring out what individual word parts mean.

Examples:

micro: (little people) macro: (big people) micro: micro tubing macro: macro tubing

86

VOCABULARY FOR HEALTHCARE PERSONNEL



From Robin and Sandra:

* Use the spelling of the meanings of the words to help you remember what the term means.

Examples:

cephal: e -- head caudal: a -- tail inter: e -- between pyleo: y -- kidney lapar: a -- abdomen

From Eric, Judy, & Liz:

- * V. ord association
- * Pictures

Share your own suggestions for remembering these terms

80

VOCABU' ARY FOR HEALTHCARE PERSONNEL

Lesson 5

TOPIC: Review: Practice Three

<u>OBJECTIVES</u>: to continue to practice learning medical vocabulary through a creative exercise

<u>INSTRUCTOR</u>: might want to increase size even more for ease of completion

MATERIALS: HANDOUT #12 (Crossword Puzzle (C))

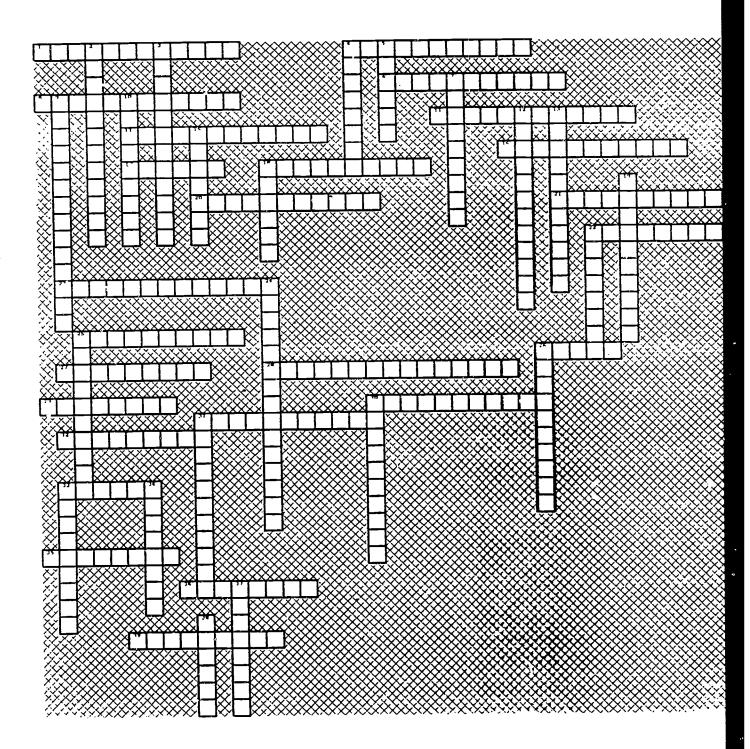
<u>ACTIVITY</u>: participants work together to complete exercise; provide hints for each other; reinforce words by repeating word and then the definition

88



٠

HANDOUT #12



82

VOCABULARY FOR HEALTHCARE PERSONNEL

ERIC -

<u>Across</u>

- 1. instrument used to examine the uterus visually
- 4. inflammation of the middle layer of the heart wall
- 6. unusually small liver
- 11. the sense of smell
- 14. disease that affects several muscles
- 16. having to do with the lower back
- 17. part of the body between the head/neck and the abdomen
- 18. inflammation of the neck of the uterus
- 20. originating in the stomach
- 22. instrument used to visually examine the nose
- 23. inflammation in the nose
- 25. surgical removal of the breast
- 27. sack of fluid, usually found between joints
- 28. bones of the lower part of the spine (2 wds.)
- 29. substance capable of producing a disease
- 30. inflammation of one or more vertebrae
- 31. decreased functioning of the liver
- 32. bones that form the backbone
- 33. vertebrae forming the back of the pelvis
- 35. inflammation of the bursa

- 36. any disease of a muscle
- 39. affecting the lungs

<u>Down</u>

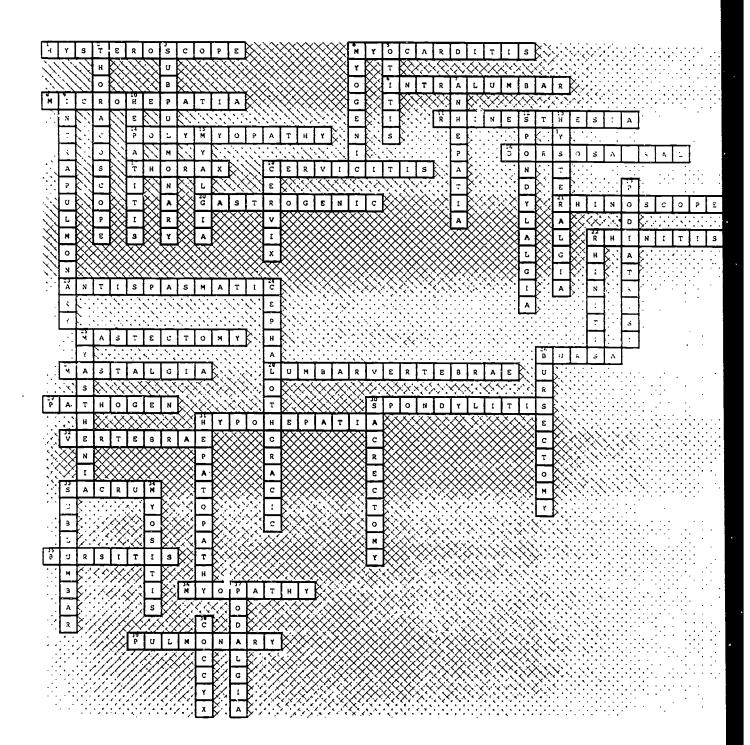
- 2. instrument used to visually examine the thoracic cavity
- 3. beneath the lung
- 4. originating in the muscular tissue
- 5. inflammation of the ear
- 7. failure of the liver
- 9. within the lungs
- 10. inflammation of the liver
- 12. pain in the vertebrae
- 13. pain in the uterus
- 15. muscle pain
- 18. neck of the body or neck of the lower portion of the uterus
- 19. specialist in the treatment of foot disorders
- 22. inflammation in the nose
- 24. having to do with the head and the chest
- 25. great muscle weakness
- 26. surgical removal of the bursa
- 30. surgical removal of part of the sacrum
- 31. any disease of the liver
- 34. inflammation of a muscle
- 37. pain in the foot

90

38. small bone at the lower end of the spinal column (tailbone)

Lessons V

HANDOUT #12-I



91



WORD LIST

! .

ANHEPATIA **ANTISPASMATIC** BURSA BURSECTOMY BURSITIS **CEPHALOTHORACIC** CERVICITIS CERVIX COCCYX DORSOSACRAL GASTROGENIC HEPATITIS **HEPATHOPATHY HYPOHEPATIA HYSTERALGIA** HYSTEROSCOPE **INTRALUMBAR** INTRAPULMONARY LUMBARVERTEBRAE MASTALGIA MASTECTOMY **MICROHEPATIA MYALGIA MYASTHENIA MYOCARDITIS** MYOGENIC MYOPATHY **MYOSITIS**

OTITIS PATHOGEN PODALGIA PODIATRIST POLYMYOPATHY PULMONARY RHINESTHESIA RHINITIS RHINTIS RHINOSCOPE SACRECTOMY SACRUM SPONDYLALGIA **SPONDYLITIS SUBLUMBAR SUBPULMONARY** THORASCOPE THORAX VERTEBRAE



VOCABULARY FOR HEALTHCARE PERSONNEL

92

83A

Lesson 6

Review: Practice Four

OBJECTIVES:

TOPIC:

to practice spelling; continue building word parts into whole words; find commonalties among terms; understand the way medical words are used in context; to match words to their meanings; to associate terms with their abbreviations

<u>INSTRUCTOR</u>: none <u>INFO</u>:

<u>MATERIALS</u>: HANDOUT #13 (Vocabulary for Healthcare Review (D))

<u>ACTIVITY</u>: complete the handout, marking those areas that are troublesome; check answers, discuss, and review



VOCABULARY FOR HEALTHCARE PERSONNEL

HANDOUT #13

<u>Vocabulary for Healthcare Personnel (D)</u> Multiple Exercises

ORAL SPELLING Listen to the following medical terms. Spell the term and write its meaning.

Listen to the following medical terms.	spon no tonn and write its mouning.
1	
2.	
3.	
4.	
5.	
6	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	9.1



ANTONYMS				
Define each of the terms below and provide its opposite.				
Word Part	Meaning	Opposite	Meaning	
andro				
micro				
brady				
poly				
dors/o				
pre			·	
hyper .				
inferior				

SYNONYMS

Determine what each pair/triplet has in common

antiseptic, antitoxin

cardiosclerosis, arteriosclerosis

postfebrile, postneuritic

sublingual, dentilingual

unilateral, bilateral, trilateral

95



VOCABULARY FOR HEALTHCARE PERSONNEL

.

HANDOUT #13, p. 3

٠

polyplegia, polyphobia

transport, transfusion

microscope, gastroscope

MEDICAL FAMILIES

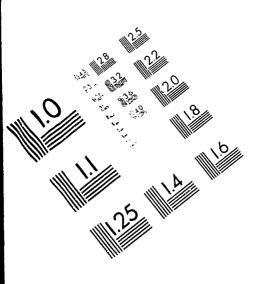
Provide the meaning	for the re	elated terms.
---------------------	------------	---------------

crani/o:	skull
craniomalacia:	
cranioplasty:	
craniosclerosis:	
craniotomy:	
•	
ot/o:	
ototomy:	
otitis:	inflammation of
otoplasty:	



88

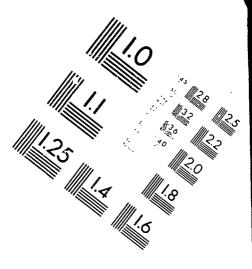
VOCABULARY FOR HEALTHCARE PERSONNEL

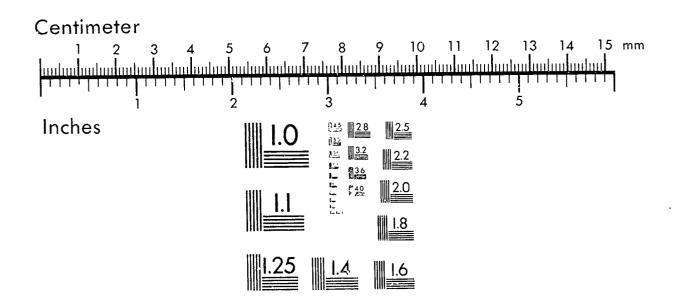


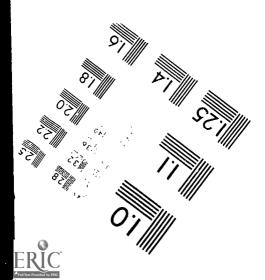


Association for Information and Image Management 1100 Wayne Avenue, Suite 1100 Silver Spring, Maryland 20910

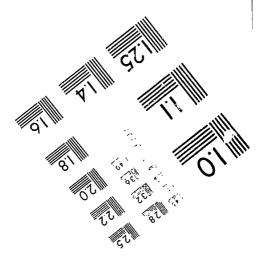
301/587-8202







MANUFACTURED TO AIIM STANDARDS BY APPLIED IMAGE, INC.



cardi/o:	
cardiopulmonary:	having to do with the heart and lungs
cardiologist:	
cardionephric:	
derm:	· ·
;	below/beneath the skin
dermopathy:	
neuro:	
neurogastric:	
neuropsychopathy:	
neuroophathalmology:	
:	having to do with the nerves and the kidneys

VOCABULARY FOR HEALTHCARE PERSONNEL

ERIC

.)

MEANING MATCH

Provide the medical term for the underlined word(s) preceding it. Write your answer in the parentheses.

- 1. Billy had an <u>extreme fear</u> () of doctors.
- 2. He had <u>sharp, sudden</u> () <u>stomach</u> () pain that cause him to be <u>feverous</u> ().

Dr. Pete used a measuring device to measure Billy's body heat
 ().

- 4. The doctor placed the <u>measuring device</u> (<u>under Billy's tongue</u> ().
- 5. Then, Dr. Pete gave Billy a prescription for some medication. Billy and his ma filled the prescription at the <u>drugstore</u> (
- 6. Thelma, Billy's ma was a bit of a hypochondriac. At first she thought that she was pregnant, but she wasn't. She had a (
).
- 7. Next, she complained of <u>muscle pain</u> () in her <u>lower</u> back ().

93

90

VOCABULARY FOR HEALTHCARE PERSONNEL

).

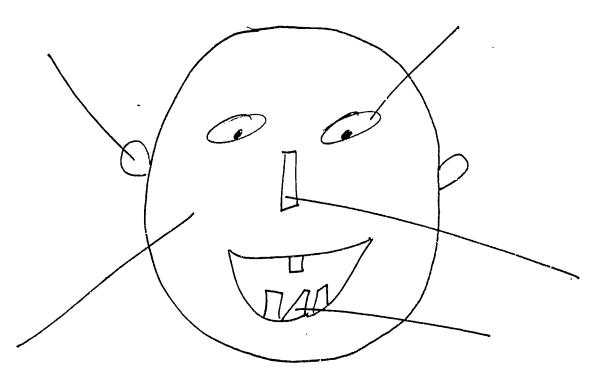
HANDOUT #13, p. 6

8. Dr. Pete examined her just below the lumbar vertebrae (), but Mary had <u>no sensation</u> there ().

- 9. Her pain, she said, was in or near her <u>tailbone</u> (
- 10.Dr. Pete was unable to find anything wrong, so he prescribed watertreatment () for her.

A PICTURE'S WORTH SIX WORDS

Write the root word (medical term) for each of the following body parts: HEAD, EYES, NOSE, EAR, SKIN, TEETH



VOCABULARY FOR HEALTHCARE PERSONNEL. 93

\$

MATCHING Match the term on the left to its meaning on the right.

coronary artery disease		A. in the urine system, an acid accumulation in the blood tissue
wound		B . opening of the cervical canal followed by scraping of the uterus as a method of diagnosing uterine cancer
transurethral resection prostate/bla	ndder	C. swelling of the lung
tibia		D . a recording of the strength of muscle as a result of electrical stimulation
laparotomy ·		E. removal of the prostate by means of an instrument that is passed through the ureter
lateral		F. acute infectious disease with enlarged lymph nodes
obstetrics		G. surgery used to improve the blood supply to the heart when narrowed coronary arteries reduce the flow of blood
infectious mononucleosis		H. surgical removal of the appendix
pulmonary edema		I. large bone in the lower leg

160

VOCABULARY FOR HEALTHCARE PL ISONNEL

electromyograph		J. disease of the arteries surrounding the heart
diabetic ketoacidosis		K. an injury
coronary artery bypass		L. an incision made between the chest and hip (abdomen)
central nervous system	<u></u>	M . of, at, or toward the sides
carpal tunnel syndrome		N. the branch and study of medicine that deals with childbirth
dilation and curettage		O. an occurrence where a nerve leading to the hand is compressed by connective tissue fibers in the wrist, resulting in burning, pain, and numbness of the hand
appendectomy		P . one of the divisions of the nervous system consisting of the brain and spinal cord

101

VOCABULARY FOR HEALTHCARE PERSONNEL

ERIC

TABLE (MEDICAL) TERMS Complete the table

MEANING	TERM	ABBREVIATION
	urinalysis	
a cancerous growth		
		Л.
removal of the uterus through the abdominal wall		
	ligament	
the expulsion (either spontaneous or induced) of a fetus from the womb before it is able to survive		
		VS
	unknown	
infectious disease caused by Mycobacterium tuberculosis; lungs are usually involved, but any organ in the body may be affected		
heart attack		AMI
abdominal x-ray of the kidney, ureter, and bladder		KUB
		BP
surgical removal of the gallbladder		
	<u> </u>	FX
of two sides		
destruction of the myelin sheath on neurons in the CNS and its replacement by plaques of hard tissue	/	MS
		EEG

MEANING	TERM	ABBREVIATION
thickening and hardening of the arteries		
primary statement of one's illness		CC
reoccurring respiratory problem where a lack of protein in the lining of the lung tissue causes collapse of the lungs		ARDS
•		C-SECT
a part of a system consisting of the brain and spinal cord		

103



VOCABULARY FOR HEALTHCARE PERSONNEL

HANDOUT #13-I

Vocabulary for Healthcare Personnel (D) Multiple Exercises

ORAL SPELLING Listen to the following medical terms. Spell the term and write its meaning.

1.	hepatoma	a tumor found in the liver
2.	anesthesia	without feeling
3.	thoracoplasty	surgical reconstruction of the thorax (chest wall)
4.	spondylopathy	disease of the vertebrae
5.	toxicodermatitis	skin inflammation caused by poison
6.	podedema	swelling of the foot
7.	meningioma	tumor in the lining of the brain or spinal cord
8.	macrodontia	abnormally large teeth
9.	ophthalmologist	eye specialist
10.	antiseptic	against disease
11.	mastectomy	surgical removal of the breast
12.	caudal	away from the head; towards the tailbone
13.	vertebrae	backbone/spine
14.	rhinalgia	pain in the nose
15.	psychiatry	area dealing with the study of the mind
		$oldsymbol{1}_{0.4}$ vocabulary for healthcare personnel
96		VOUNDULART FUR REALITUARE FERSONNEL



ANTONYMS			
Define each of the terms	below and provide	its <u>opposite</u> .	
Word Part	Meaning	Opposite	Meaning
andro	man	gyn	woman
micro	small	macro	large
brady .	slow	tachy	fast
poly	many	uni	one
dors/o	back	anterior	front
pre	before	post	after
hyper	too much	hypo	too little
inferior	below	superior	above

SYNONYMS

Determine what each pair/triplet has in common.

preventative against something antiseptic, antitoxin cardiosclerosis, arteriosclerosis hardening the period after

postfebrile, postneuritic

sublingual, dentrilingual tongue

unilateral, bilateral, trilateral side

VOCABULARY FOR HEALTHCARE PERSONNEL

polyplegia, polyphobia	many
transport, transfusion	across
microscope, gastroscope	instrument for visually examining

MEDICAL FAMILIES

Provide the meaning for the related terms.

- Crani/o: skull
- craniomalacia: softening of
- cranioplasty: surgical reconstruction of
- cranioscleriosis: hardening of
- craniotomy: incision into
- ot/o: ear
- ototomy: tumor
- otitis: inflammation of the
- otoplasty: surgical reconstruction of



cardi/o:	heart
cardiopulmonar	y: having to do with the heart and lungs
cardiologist:	heart specialist
cardionephric:	having to do with the heart and kidneys
derm:	skin
subdermal:	below/beneath the skin
dermopathy:	skin disease
neuro:	nerve
neurogastric:	having to do with nerve and stomach
neuropsychopathy	having to do with disease of the nerves in the mind
neuroophathalmo	logy: study of nerves leading to the eye
neuronephric:	having to do with the nerves and the kidneys



EF

۰.

MEANING MATCH

Provide the medical term for the underlined word(s) preceding it. Write your answer in the parentheses.

- 1. Billy had an <u>extreme fear</u> (**phobia**) of doctors.
- 2. He had <u>sharp</u>, <u>sudden</u> (acute) <u>stomach</u> (abdominal) pain that cause him to be <u>feverous</u> (febrile).
- Dr. Pete used a measuring device to measure Billy's body heat (thermometer).
- 4. The doctor placed the <u>measuring device</u> (thermometer) <u>under</u> Billy's <u>tongue</u> (sublingually).
- 5. Then, Dr. Pete gave Billy a prescription for some medication. Billy and his ma filled the prescription at the <u>drugstore</u> (**pharmacy**).
- 6. Thelma, Billy's ma was a bit of a hypochondriac. At first she thought that she was <u>pregnant</u>, but she <u>wasn't</u>. She had a (**pseudo pregnancy**).
- 7. Next, she complained of <u>muscle pain</u> (myalgia) in her <u>lower back</u>
 (lumbar vertebrae).

103vocabulary for healthcare personnel

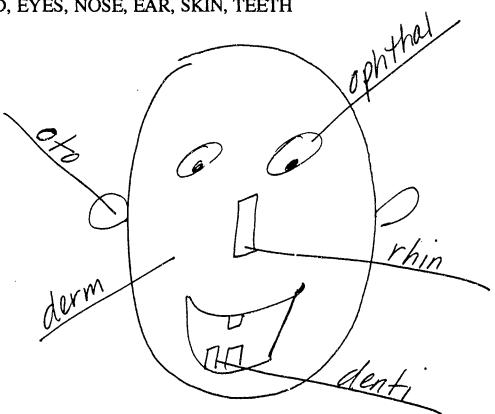
- 8. Dr. Pete examined her just below the lumbar vertebrae (sacrum), but Mary had no sensation there (anesthesia).
- 9. Her pain, she said, was in or near her <u>tailbone</u> (coccyx).

. .

10. Dr. Pete was unable to find anything wrong, so he prescribed <u>water</u> <u>treatment</u> (hydrotherapy) for her.

A PICTURE'S WORTH SIX WORDS

Write the root word (medical term) for each of the following body parts: HEAD, EYES, NOSE, EAR, SKIN, TEETH





MATCHING Match the term on the left to its meaning on the right.

:.

coronary artery disease	J	A . in the urine system, an acid accumulation in the blood tissue
wound	К	B. opening of the cervical canal followed by scraping of the uterus as a method of diagnosing uterine cancer
transurethral resection prostate/bla	E ndder	C. swelling of the lung
tibia	I	D . a recording of the strength of muscle as a result of electrical stimulation
laparotomy	L	E. removal of the prostate by means of an instrument that is passed through the ureter
lateral	Μ	F. acute infectious disease with enlarged lymph nodes
obstetrics	N	G. surgery used to improve the blood supply to the heart when narrowed coronary arteries reduce the flow of blood
infectious mononucleosis	F	H. surgical removal of the appendix
pulmonary edema	С	I. large bone in the lower leg

1:0

VOCABULARY FOR HEALTHCARE PERSONNEL



.

.

electromyograph	D	J. disease of the arteries surrounding the heart
diabetic ketoacidosis	Α	K. an injury
coronary artery bypass	G	L. an incision made between the chest and hip (abdomen)
central nervous system	Р	M. of, at, or toward the sides
carpal tunnel syndrome	0	N. the branch and study of medicine that deals with childbirth
dilation and curettage	В	6. In occurrence where a nerve leading to the hand is compressed by connective tissue fibers in the wrist, resulting in burning, pain, and numbress of the hand
appendectomy	Н	P . one of the divisions of the nervous system consisting of the brain and spinal cord



.

.

TABLE (MEDICAL) TERMS Complete the table

MEANING	TERM	ABBREVIATION
examination of urine	urinalysis	UA
a cancerous growth	carcinoma	CA
a structure in the body by which bones are fitted together	joint	Л
removal of the uterus through the abdominal wall	total abdominal hysterectomy	ТАН
the tough, flexible tissues that holds bones together	ligament	LIG
the expulsion (either spontaneous or induced) of a fetus from the womb before it is able to survive	abortion	AB
the measurable signs of bodily function, e.g., blood, pulse, etc.	vital signs	VS
not identified	unknown	UNK
infectious disease caused by Mycobacterium tuberculosis; lungs are usually involved, but any organ in the body may be affected	tuberculosis	TB
heart attack	acute myocardial infarction	AMI
abdominal x-ray of the kidney, ureter, and bladder	kidney, ureter, bladder	KUB
the pressure of blood within the arteries and veins	blood pressure	BP
surgical removal of the gallbladder	cholecystectomy	CHOLE
breaking or breakage, especially of a bone	fracture	FX
of two sid.	bilateral	BIL
destruction of the myelin sheath on neurons in the CNS and its replacement by plaques of hard tissue	multiple sclerosis	MS
a record of the electrical activity of the brain	electroenceph- alogram	EEG

MEANING	TERM	ABBREVIATION
thickening and hardening of the arteries	arteriosclerotic vessel disease	ASVD
primary statement of one's illness	chief complaint	CC
reoccurring respiratory problem where a lack of protein in the lining of the lung tissue causes collapse of the lungs	acute respiratory distress syndrome	ARDS
removal of the fetus by abdominal incision into the uterus	cesarean section	C-SECT
a part of a system consisting of the brain and spinal cord	central nervous system	ĊNS

Lesson 7

TOPIC: Review: Practice Five

<u>OBJECTIVES</u>: to reiterate meaningful review of medical words through matching, taking apart words, prefixes and suffixes review, spelling, defining, fill in the blank

INSTRUCTOR:answer any questions participants may have as they**INFO**:familiarize themselves with review format

MATERIALS: HANDOUT #14 (Vocabulary for Healthcare Review (E))

<u>ACTIVITY</u>: complete the handout, marking those areas that are troublesome; check answers, discuss, and review



. •

HANDOUT #14

<u>Vocabulary for Healthcare Personnel (E)</u> Multiple Exercises

MATCHING

Match the term on the left with its meaning on the right. All meanings will not be used.

nephrologist	 A .	a record of the electrical activity of the heart muscle
andropathy	 В.	abnormal fear of drugs
dentilingual	 C .	surgical removal of a joint
gynecopathy	 D.	feeble
oncology	E .	fever
	 F.	having to do with the teeth and tongue
ophthalmoneuritis		longue
febrile	 G.	inflammation of the optic nerve (nerve to the eye)
arthrectomy	 H.	expert in the study of the liver
pharmacophobia	 I.	physician specializing in the kidney
cardiogram	 J.	any disease that only men have
	K.	study of tumors or cancer
	L.	disease peculiar to the female reproductive system
	M.	having to do with the nervous control of the heart
		115
108	VOCABUL	ARY FOR HEALTHCARE PERSONNEL



MEDICAL "EQUATIONS"

First, break down each of the following words into its parts. Then, define each part and put together. The first one is done for you.

Example: tonsillectomy	tonsils + surgical removalsurgical removal of the tonsils
INTRAMUSCULAR	=
AUDIOLOGIST	=
POSTNEURITIC	=
SUBABDOMINAL	=
ANTIBACTERIAL	=
DISEASE	=
INTRAVENOUS	=
INTERVERTEBRAL, DISKS	=
HEMATOLOGY	=
ELECTROCARDIOGRAPH	=

term to find out its meaning?

BONUS QUESTION What's the best way to take apart a medical

VOCABULARY FOR HEALTHCARE PERSONNEL

116

PREFIXES AND SUFFIXES

Provide the meaning for the following prefixes and suffixes. (Think of other words you know that contain these prefixes and suffixes to help you.)

audio	anti
bi	dactyl
dis	ect
gram	hemi
hydro	hyper
hypo	iatric/ia
inter	intra
ist	itis
lateral	lingu/o
macro	micro
multi	ology
para	plegia
poly	post
pre	pseudo
psych	sem
sub	therapy
therm	trans
tri	uni



COMBINING PREFIXES AND SUFFIXES

Write medical terms using some of the above prefixes and/or suffixes. (You can use just the word parts here, or you can combine a prefix/suffix with another word you know -- EX: transfusion)

SPELLING

Underline the correctly spelled word.

SONAGRAM

APPENDECTOMY

OPTHAMOLOGY

VERTEBRA

INFLAMMATION

QUADRIPLEGIA

POLYNUERITIS

MACRODACTYLIA

PSUEDOPREGNACY

DERMATHERAPY

FRĬC

SONOGRAM

APENDECTOMY

OPHTHALMOLOGY

VERTABRA

INFLAMATION

QUADRIPALEGIA

POLYNEURITIS

MACRODACTILLIA

PSEUDOPREGNANCY

DERMATOTHERAPY

VOCABULARY FOR HEALTHCARE PERSONNEL

118

:.

.

DEFINITIONS Define each of the terms above.

•

ABBREVIATIONS USING WORD BEGINNINGS Write the word associated with the following abbreviations.

AB	ABD
ABNOR	AMB
BIL	CA
CHR	C SECT
DEGEN	DIS
FIB	HEMI

HYST

EI

¹¹⁹

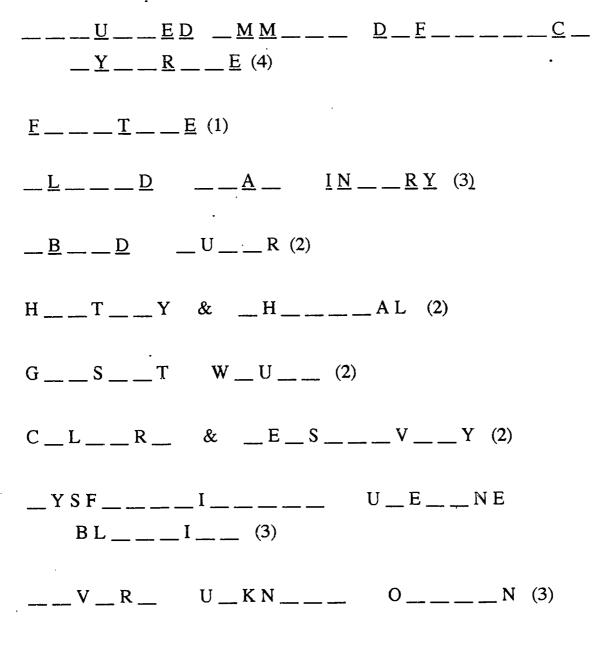
FILL IN THE BLANK/DEFINITIONS		
Provide the missing word for the following terms, then define.		
acute	infarction (AMI)	
	respiratory distress syndrome (ARDS)	
arteriosclerotic	disease (ASHD)	
arteriosclerotic	disease (ASVD)	
	nerve root irritation (CNRI)	
chronic obstructive _	disease (COPD)	
cerebral spinal	(CSF)	
	tunnel syndrome (CTS)	
ear	_ throat (ENT)	
electroencephalogram	n (EEG)	
electrocardiogram (l	EKG)	
electromyogram (EM	AG)	



VOCABULARY FOR HEALTHCARE PERSONNEL

WHEEL OF FORTUNE

Fill in the blanks for the following terms, then write the abbreviations next to the term. (The number following the word refers to the number of words in the terms)



121



НАNDOU'Г #14, р.8

MEANING MATCH Match meaning and term. Choose from the words below. (All terms will not be used.)

	a small, lower leg bone
	an uncoordinated series of contractions of a heart cavity causing irregular heartbeats
	removal of the gallbladder
	widening of the opening of the cervix and scraping the inner lining of the uterus
.	A cancerous tumor
dilation & curettage	tibia
cholecystectomy	fibula
atrial fibrillation	carcinoma

myocardial infarction

hysterectomy



HANDOUT #14-I

<u>Vocabulary for Healthcare Personnel (E)</u> Multiple Exercises

MATCHING Match the term on the left with its meaning on the right. All meanings will			
Match the term on th	not be used.	ining	on the right. All meanings will
nephrologist	I	A.	a record of the electrical activity of the hear muscle
andropathy	J	B.	abnormal fear of drugs
dentilingual	F	C.	surgical removal of a joint
gynecopathy	L	D.	feeble
oncology ·	K	E.	fever
ophthalmoneuritis	G	F.	having to do with the teeth and tongue
febrile	Е	G.	inflammation of the optic nerve (nerve to the eye)
arthrectomy	Ν	H.	expert in the study of the liver
pharmacophobia	В	I.	physician specializing in the kidney
cardiogram	Α	J.	any disease that only men have
		K.	study of tumors or cancer
• .		L.	disease peculiar to the female reproductive system
		M.	having to do with the nervous control of the heart 123

.



MEDICAL "EQUATIONS"

First, break down each of the following words into its parts. Then, define each part and put together. The first one is done for you.

Example:	tonsillectomy	H H	tonsils + surgical removal surgical removal of the tonsils
INTRAMUS	CULAR	=	within + the muscles = within the muscles
AUDIOLOG	İST	=	hearing + expert = hearing expert
POSTNEUR	ITIC .	-	after + neuritis = a period of time after neuritis
SUBABDOM	ÍINAL	=	below + the belly = below the stomach/belly
ANTIBACT	ERIAL	Ξ	prevent + against = something that prevents bacteria
DISEASE		=	not + comfort = not at ease
INTRAVEN	OUS	=	within + veins = with veins
INTERVER	TEBRAL DISKS	=	between + bones of the spine = the disks between the bones of the spine
HEMATOLO	DGY	=	blood + study of = study of blood
ELECTROC	ARDIOGRAPH	=	electric + heart + instrument = instrument for recording electrical impulse of the heart

BONUS QUESTION What's the best way to take apart a medical term to find out its meaning? Start from the back of the word, then read it left to right.

PREFIXES AND SUFFIXES

Provide the meaning for the following prefixes and suffixes. (Think of other non-medical words you know that contain these prefixes and suffixes to help you.)

audio	hear	anti	against
bi	two	dactyl	fingers/toes
dis	against	ect	to surgically remove
gram	record	hemi	half
hydro	water	hyper	too much
hypo	too little	iatric/ian	specialist
inter	between	intra	within
ist	specialist	itis	inflammation of
lateral	side	lingu/o	tongue
macro	large	micro	small
multi	many	ology	study of
para	birth	plegia	paralysis
poly	many	post	after
pre	before	pseudo	false
psych	mind	semi	half
sub	below	therapy	treatment
therm	heat	trans	across
tri	three	uni	one



COMBINING PREFIXES AND SUFFIXES

.

Write five medical terms using some of the above prefixes and/or suffixes. (You can use just the word parts here, or you can combine a prefix/suffix with another word you know -- EX: transfusion) (answers will vary)

SPELLING

Underline the correctly spelled word.

SONAGRAM	<u>SONOGRAM</u> record sound waves to look inside the body
APPENDECTOMY	APENDECTOMY remove appendix
OPTHAMOLOGY	<u>OPHTHALMOLOGY</u> study of eyes
<u>VERTEBRA</u>	VERTABRA backbone
INFLAMMATION	INFLAMATION diseased part of body
<u>QUADRIPLEGIA</u>	QUADRIPALEGIA paralysis of arms & legs
POLYNUERITIS	<u>POLYNEURITIS</u> inflammation of many of the nerves
MACRODACTYLIA	MACRODACTILLIA abnormally large fingers/toes
PSUEDOPREGNACY	<u>PSEUDOPREGNANCY</u> false pregnancy
DERMATHERAPY	DERMATOTHERAPY skin treatment



DEFINITIONS Define each of the terms above.

ABBREVIATIONS USING WORD BEGINNINGS

Write the word associated with the following abbreviations.

abortion	ABD	abdominal
abnormal	AMB	ambulatory
bilateral ·	CA	carcinoma
chronic	C SECT	cesarean section
degenerative	DIS	dislocation
fibula	HEMI	hemiplegia
	abnormal bilateral chronic degenerative	abnormalAMBbilateralCAchronicC SECTdegenerativeDIS

hysterectomy HYST

127

VOCABULARY FOR HEALTHCARE PERSONNEL



.

FILL IN THE BLANK/DEFINITIONS Provide the missing word for the following terms, then define.

acute	myocardial	infai	ction (AMI)	
acute	acute respiratory distress syndrome (ARDS)			
arterioscler	otic heart	disease (AS	HD)	
arterioscler	otic vessel	disease (AS	VD)	
cervical	nerve root irritati	on (CNRI)		
chronic obs	structive puln	nonary	disease (COPD)	
cerebral spinal fluid (CSF)				
carpal tunnel syndrome (CTS)				
ear nose throat (ENT)				
electroencephalogram (EEG)				
electrocardiogram (EKG)				
electromyogram (EMG)				

WHEEL OF FORTUNE

Fill in the blanks for the following terms, then write the abbreviations next to the term. (The number following the word refers to the number of words in the terms)

ACQUIRED IMMUNE DEFICIENCY SYNDROME (4)

FRACTURE (1)

CLOSED HEAD INJURY (3)

BLOOD SUGAR (2)

HISTORY & PHYSICAL (2)

GUNSHOT WOUND (2)

CULTURE & SENSITIVITY (2)

DYSFUNCTIONAL UTERINE BLEEDING (3)

FEVERY UNKNOWN ORIGIN (3)

ERIC

122

.

MEETING MATCH Match meaning and term. Choose from the words below. (All terms will not be used.)

fibula	a small, lower leg bone
atrial fibrillation	an uncoordinated series of contractions of a heart cavity causing irregular heartbeats
cholecystectomy	removal of the gallbladder
D & C	widening of the opening of the cervix and scraping the inner lining of the uterus
carcinoma	a cancerous tumor

dilation & curettage	tibia
cholecystectomy	fibula
atrial fibrillation	carcinoma
myocardial infarction	hysterectomy



Lesson 8

<u>TOPIC</u> :	Post-test
<u>OBJECTIVES</u> :	to learn both from the employee's perspecive and from the instructor's how much healthcare vocabulary employees have learned
<u>INSTRUCTOR</u> : <u>INFO</u> :	it is recommended that the test be taken individually
MATERIALS:	HANDOUT #15 (Post-test)
<u>ACTIVITY</u> :	employees complete post-test; discuss and check answers afterward; compare pre-test answers to post-test answers, determine common troublesome areas, review



ERIC



HANDOUT #2

POST-TEST

132

ERIC

Match the words on the left to its meaning on the right. Not all meanings will be used.

hepat/oB. jointcephal/oC. skullcost/oD. kidneydenti/iE. tonguesclerosisF. feeling/sensationarthr/oG. the headcrani/oH. the ribI. liver	lingu/o		A .	tooth
cost/oD. kidneydenti/iE. tonguesclerosisF. feeling/sensationarthr/oG. the headcrani/oH. the rib	hepat/o		B.	joint
denti/i E. tongue sclerosis F. feeling/sensation arthr/o G. the head crani/o H. the rib	cephal/o		C.	skull
sclerosis F. feeling/sensation arthr/o G. the head crani/o H. the rib	cost/o		D.	kidney
arthr/o G. the head crani/o H. the rib	denti/i		Е.	tongue
crani/o H. the rib	sclerosis	·	F.	feeling/sensation
	arthr/o		G.	the head
I. liver	crani/o		H.	the rib
			I.	liver

J. hardening



Use the word parts in the box to match the meanings. Not all word parts will be used.

oma tachy pulmon/o febr/o	1
psyche cost/o encephal/o spondyl/o	0
plasty toxic myel/o myl/o	
dactyl/o brady plasty hydr/o/a	,
poison	
tumor	
the mind	
fast	
surgical reconstruction	
lung	
slow	
finger or toe	

131



new . within bone ____ inflammation ____ below, too little . many _____ muscle false against without

Write the word part in the blank that corresponds to each definition.



•

:.

Separate each word below into its parts and then write the meaning.

intracranial	
thermalgesia	
meningitis	·
electrocardiogram	
rhinometer	
hypoesthesia	
mastectomy	
	136

130



Lessons_VIII

٠

HANDOUT #2, p. 6

Use the two word parts to make a word that means:

.

an expert of the heart		
	+	=
•		
surgical removal of the u	iterus	
	+	=
abnormally large fingers	or toes	
	+	=
an inflammation of the k	idney	
	+	=
· ·		
paralysis of all four extre	emities	
·	+	=
water treatment		
	. + <u></u>	

137

Answer the following questions:

After her daily workout, Felicia took antispasmatic medicine for her legs. What was this for?

The man had edema. What does that mean?

Dr. Kay gave the patient anesthesia before surgery. What will that do?

The test showed that Sam had hyperthyroidism. Did his thyroid produce too much or too little?



F. back of the body

Here are some word parts that show direction or location. Match the word on the left to its mate on the right. Some meanings might match more than one word part. Not all meanings will be used.

medial		A .	below
trans		B .	on the left side of the body
posterior	· ·	C.	beside
dorsal		D.	in the middle
inferior	·	Ε.	across or over



HANDOUT #2-I

POST-TEST

(Answers)



Match the words on the left to its meaning on the right. Not all meanings will be used.

lingu/o	Ε	A.	tooth
hepat/o	I	B.	joint
cephal/o	G	C.	skull
cost/o	Н	D.	kidney
denti/i	Α	E.	tongue
sclerosis	J	F.	feeling/sensation
arthr/o	В	G.	the head
crani/o	С	H.	the rib
•		I.	liver





Use the word parts in the box to match the meanings. Not all word parts will be used.

oma	tachy	pulmon/o	f e br/o	
psyche	cost/o	encephal/o	spondyl/o	
plasty	toxic	myel/o	myl/o	
dactyl/o	brady	plasty	hydr/o/a	
toxic		poison		
oma		tumor		
psyche		the mind		
tachy		fast		
plasty		surgical reconst	surgical reconstruction	
pulmon	/o	lung	lung	
brady		slow	slow	
dactyl/c)	finger or toe		

142

Write the word part in the blank that corresponds to each definition.

neo	new
intra	within
ostelo	bone
itis	inflammation
hypo	below, too little
poly	many
myo	muscle
psuedo	false
anti	against
an	without



143

VOCABULARY FOR HEALTHCARE PERSONNEL

Separate each word below into its parts and then write the meaning.

.

intracranial	intra - within / cranial - skull = within the skull
thermalgesia	therm - heat / algesia - pain = pain caused by heat
meningitis	menin - membranes of brain / spinal cord itis - inflammation of = inflammation of the membranes that surround the brain or spinal cord
electrocardiogram	electro - electrical / cardi/o - heart / gram - recording = a recording of the electricity in the heart
rhinometer	rhin/o - nose / meter - instrument being used to measure = instrument used to measure the nose
hypoesthesia	hypo - too little / estesia - feeling/sensation = decreased sensitivity to pain
mastectomy	mast - breast / ect - surgical removal = surgical removal of the breast

¹⁴¹

Use the two word parts to make a word that means:

an expert of the hear	t			
ologist	+	cardi/o	Ξ	cardiologist
surgical removal of	the u	terus		
ect/o	+	hyster/o	=	hysterectomy
abnormally large fin	gers	or toes		
macro	+	dactyl/o	Ē	macrodactylia
an inflormation of t		J.,		
an inflammation of t	he ki	aney		
itis		nephr/o	=	cardiologist
		•	=	cardiologist
	+	nephr/o	=	cardiologist
itis	+ extre	nephr/o		cardiologist quadriplegia
itis paralysis of all four	+ extre	nephr/o		U U
itis paralysis of all four	+ extre	nephr/o		U U
itis paralysis of all four plegia	+ extre	nephr/o		U U



Answer the following questions:

After her daily workout, Felicia took antispasmatic medicine for her legs. What was this for?

to reduce/calm the tightening & contracting of her muscles

The man had edema. What does that mean?

retention of fluid/swelling

Dr. Kay gave the patient anesthesia before surgery. What will that do? leave the patient without feeling

The test showed that Sam had hyperthyroidism. Did his thyroid produce too much or too little?

too much

146



back of the body

F.

Here are some word parts that show direction or location. Match the word on the left to its mate on the right. Some meanings might match more than one word part. Not all meanings will be used.

medial	D	A.	below
trans	E	B.	on the left side of the body
posterior	F	C.	beside .
dorsal .	F	D.	in the middle
inferior	Α	E.	across or over





SUGGESTED MEDICAL RESOURCES

Anatomy Flashcards Edwards, Mayhew, Argetsinger, Mosby Publishing, 1990

Brady's Introduction to Medical Terminology, 3rd ed. Carol A. Lillis, 1990.

Dorland's Medical Speller, 1992

Dorland's Pocket Medical Dictionary, 24th ed., 1989

The Elements of Medical Terminology April Applegate and Valerie Overton, 1994

Encyclopedia and Dictionary of Medical Nursing and Allied Health, 5th ed. Miller-Keane, 1992

The Language of Medicine, 4th ed. Davi-Ellen Chabner, 1991

Medical Abbreviations: 8600 Conveniences at the Expense of Communications and Safety, 6th ed. Neil M. Davis, 1993

Medical Terminology: A Self-learned Text, 2nd ed. Jacqueline Joseph Birmingham, 1990

Medical Terminology: A Short Course Davi-Ellen Chabner, 1991

Medicatl Terminology Flashcards, Ann Ehrlich, 1993

Mosby's Medical, Nursing, and Allied Health Dictionary, 4th ed., 1994

Stedman's Medical Dictionary, 25th ed., 1990

148

VOCABULARY FOR HEALTHCARE PERSONNEL