LESSON 6 - MEDICAL INSTRUMENTS AND EQUIPMENT

There are hundreds of different instruments and a variety of other equipment used in the care of patients, both for surgical and medical care. In the box note the example of *curettes* (spoon-shaped instrument for removal of material from the wall of a cavity or other surface). Note that some of the words are proper nouns (named after the inventor) and others are not. That is typical of medical instruments/supplies.

<table>
<thead>
<tr>
<th>CURETTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>adenoidal</td>
</tr>
<tr>
<td>angled</td>
</tr>
<tr>
<td>Ballenger</td>
</tr>
<tr>
<td>Alvis</td>
</tr>
<tr>
<td>antral</td>
</tr>
<tr>
<td>Bardic</td>
</tr>
<tr>
<td>Anderson</td>
</tr>
<tr>
<td>aortic</td>
</tr>
<tr>
<td>Barnhill</td>
</tr>
<tr>
<td>Angell</td>
</tr>
<tr>
<td>Ballentine</td>
</tr>
<tr>
<td>banjo</td>
</tr>
</tbody>
</table>

A short-listing of devices and instruments is located in the “Appendix” in the Course Materials tab.

Various *scopes* are used. The English meaning of *scope* is “an instrument for looking into.” If “steth” means “listening,” then you understand the meaning of stethoscope. By now, you know the -o- was used for verbal ease. "Stethoscope" is easier to say than "stethoscope."

*Tome* is an instrument for cutting sections of tissue, muscle, etc. A *derma* (skin) -tome is an instrument used to “cut the skin,” *dermatome*.

Recall, *graph* either by itself or attached as a suffix, –*graphy*, relates to an instrument or machine that records a diagnostic procedure; likewise, the suffix -*gram* also means recording of a picture produced by virtue of a procedure.
Recall, *meter* means “measuring or counting;” as a suffix, it may be added to by various prefices that denote what is being measured: *Thermometer* measures the heat of the body, or the temperature.

Using the above information do the following exercises and fill in the definitions.

### EXERCISES - 6

1. **WORD SUFFIX** | **PRONUNCIATION** | **DEFINITION**  
--- | --- | ---  
 a *-o/scope* | oh-scope |  
 b *-o/scopy* | oh-scawpee |  
 c *-tome* | tome |  
 d *-graph* | graff |  
 e *-o/graphy* | aw-graff-ee |  
 f *-gram* | gram |  

2. **WORD** | **DEFINITION/ANSWER**  
--- | ---  
 a electroencephalograph |  
 b electroencephalogram |  
 c angiography |  
 d cholecystography |  
 e electrocardiogram |  
 f mammography |  
 g myelography |  
 h myography |  
 i ultrasonography |  
 j angiogram |  
 k ultrasonogram |
| l | spirometer |
| m | spirometry |
| n | pelvimetry |
| o | An instrument for measuring temperature |
| p | Procedure for using a bronchoscope |
| q | Procedure which records brain waves |
| r | What is an otoscope is used to examine? |
| s | What is a dilator? |
| t | What is a speculum? |
| u | What is a bougie? (sounds like boo zhee) |
| v | What is used to listen to heart or lung sounds? |
| w | What is a dermatome used for? |
ANSWERS - 6

1.
a instrument for looking into (arthroscope etc)
b a procedure using a scope
c an instrument for cutting thin pieces or sections
d instrument or machine that records
e diagnostic procedure
f recording pictures

2.
a recording of brain waves
b recording or picture of brain waves
c study of vessels
d recording of gallbladder function
e recording – picture of heart activity
f diagnostic procedure on breasts
g study – recording of spinal cord
h study – recording of muscle function
i study of deep structures using echoes of ultrasound waves
j picture of vessels
k picture of “i”
l meter=instrument that measures or counts; this one measures the lung breathing capacity
m procedure using the instrument to measure the lung breathing capacity
n procedure using the instrument (pelvimeter) to measure the pelvis
o thermometer
p bronchoscopy
q electroencephalography
r ear
s instrument used to dilate
t an instrument used to expand or hold open the entrance into a body passage or cavity
u an instrument used to dilate, calibrate constricted areas
v stethoscope
w instrument used to slice thin pieces of tissue