Artificial Larynges *Elizabeth Durand, M.A., CCC-SLP*

1.	There are two basic types of artificial larynges: (1) P (2) E	
2.	. An artificial larynx powered by the lungs is a dev	ice.
3.	. An example of a pneumatic device is the T	
4.	. The basic characteristics of a pneumatic device include these features: (1) Steel or soft rubber cup that fits over the	
	 (2) Cylinder that houses a men (3) Steel or plastic tube from the cylinder to the mouth tube. (4) Mouth tube made of rubber or plastic. (5) Pitch adjusted by width and t of the rubber men (6) The f of exhaled lung air varies the pitch and long 	nbrane.
5.	Two types of <u>electro larynges</u> (battery powered) are these: (1) I device. (2) N device.	Judness.
6.	. The Cooper Rand is an example of anelect larynx.	ro
7.	The characteristics of the Cooper Rand include these features: (1) P generator is activated by a 9 volt non-recharg battery. (2) A cord connects the pulse generator to an h h tone generator and plastic mouth tube. (3) Sound is produced by pressing a button on the t ge (4) Sound is transferred to the oral cavity by the mouth tube. (5) Controls on the pulse generator vary and	nerator.
8.	. The U V is an example of an intra-oral denture electr	o larynx.
9.	 Neck electro larynges have these features: (1) Battery powered motor drives a spring loaded piston against a d (2) V produce sound. (3) The shape of the unit is typically cylindrical. (4) Made of or plastic or a combination of both. (5) Some have re batteries 	

10. Neck electro larynges can be used with or without an
11. Tubing for intra-oral adapters for neck devices can vary in length,
and flexibility.
12. There are different brands of neck electro larynges. Three examples are these:
(1)
(2)
(3)
13. The benefits of using an artificial larynx include these factors:
(1) Relatively intelligible and i speech.
(2) Useful interim method while learning esophageal speech or prior to TEP.
(3) Takestime to learn.
(4) Beneficial when emotionally or warding off an upper
respiratory infection.
(5) Easily on the phone or in noisy places.
(6) Reduces stress for patient and family.
14. Selection of a device is influenced by these elements:
(1) of the patient or the significant other.
(2) Length of after the surgery.
(3) C of the neck tissue.
(4) 0 structures, neck size and prior speech habits.
(5) Manipulatory skills.
(6) Environmental needs.
(7) Aversions, or f
(8) Cost. \$\$\$
15. Skill development needed to be effective with the artificial larynx.
(1) Appropriate eye
(2) Correct p
(3) Consistenttiming.
(4) Pitch variation.
(5)variation.
(6) Appropriate s
(7) Good rate.
(8) Proper

16.	Skill refinement and becoming an "expert" using these devices involves these
	habits performed accurately and consistently.
	(1) Finding the "" spot with precision and without
	hesitation.
	(2) Turning the device immediately when you start to speak
	and when you stop.
	(3) Using correct rate, phrasing, pitch and loudness.
	(4) Distinguishing between and
	consonants in conversation.
	(5) Implementing non communication skills.
	(6) Practice, practice
	(b) I fuelice, pruetice
17	Placement of neck device:
1/.	(1) Soft tissue
	(2) 1-2 inches under line.
	(3) Side of the
	(4) Midline
	(5) Under the chin
	(6) C placement.
10	Intra and placement
10.	Intra-oral placement:
	(1) Tip placed to inches into the corner of the mouth.
	(2) Lateral surface of and molar. (Blom)
	(3) Upper lateral surface of the tongue. (Salmon)
10	Diagoment of an aumatic devices
19.	Placement of pneumatic device:
	(1) Insert tube in mouth
	(2) Cover the stoma with steel or rubber cup
	(3) Modify placement as needed
20	Timing an animal anitabing the desire and afficient has a substitute
20.	Timing requires switching the device on and off simultaneously with
21	To propingly outinulate voiceless consenents everyide the electronic cound
۷1.	To precisely articulate voiceless consonants override the electronic sound
	of the device by increasing pressure or emphasis on voiceless plosives and
	fricatives or turning o the device during production of voiceless
	consonants: P, T. F, K, H, Ch, Sh, Th and S.
22.	Proper phrasing and rate require natural pauses at and
22	I are disconnected, and atmospherical beauthors and increase
<i>2</i> 3.	Loudness, pitch and stress can be varied by these actions:
	(1) Tense oral-p muscles.
	(2) Move intra-oral tube forward.
	(3) Increase or decrease lung air for device.
	(4) Slide neck device or the neck.
	(5) Vary pressure on the neck.
	(6) Loosen the vibrating head collar or alter the duration of the word.