

**#3. Voice Restoration through the  
Use of Voice Prostheses**

Applicant Identification	
Name:	CASLPM Registration #:
Registration Category:	
Full Regulated	Restricted Purpose Regulated
Training Setting:	

Supervisor Identification & Declaration		
Name:	CASLPM Registration #:	
Profession:		
Audiologist	Speech-Language Pathologist	
Registration Category:		
Full Regulated	Restricted Purpose Regulated	
Member of another College (please specify)		
Current Advanced Competency Certificates:	Issue Date	Expiry Date
1. Fiberoptic Endoscopic Evaluation and Management of Voice Disorders (FEEV)		
2. Fiberoptic Endoscopic Evaluation and Management of Swallowing Disorders (FEES)		
3. Voice Restoration Through the Use of Voice Prostheses (VRVP)		
4. Swallowing and Voice Restoration Through the Use of Tracheostomy Tubes or Speaking Valves (SVR)		
5. Videofluoroscopic Swallow Study - Adults (VFSS-A)		
6. Videofluoroscopic Assessment of Paediatric Swallowing Disorders (VFAS-P)		
I hereby certify that the information provided on this document is accurate and complete.	Supervisor's Signature	Date

By typing your name here, you are signing this application electronically. You agree your electronic signature is the legal equivalent of your manual signature on this document.

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Study & Training Objectives	Knowledge, Skills, and Demonstrated Competencies		
Objective 1	Pre-requisites for assessing and managing voice disorders and restoration using tracheoesophageal puncture (TEP) techniques and prostheses	Supervisor initials	Date
1(a)	Minimum two years clinical experience with adult population – training may commence prior to completion of the one-year experience.		
1(b)	Training setting allows for hands on practical experience with the relevant population		
Objective 2	Background knowledge for conducting TEP	Supervisor initials	Date
2(a)	Knowledge of:		
	i. Post-laryngectomy anatomy and physiology in relation to respiration, deglutition, and production of tracheoesophageal (TE) sound and articulating alaryngeal speech		
	ii. The effects of head and neck surgery, irradiation therapy and / or chemotherapy		
	iii. Tumour staging and implications for treatment		
Objective 3	Select appropriate candidates for TEP	Supervisor initials	Date
3(a)	Proficient in discussing all aspects of TEP with the client and significant others		
3(b)	Knowledge of:		
	i. The purpose of TEP		
	ii. The advantages and disadvantages of TEP		
	iii. Anatomical and physiological requirements for producing esophageal sound and articulating alaryngeal speech		
	iv. The physical and mental requirements for TEP		
	v. TEP surgical procedures (primary vs. secondary)		
	vi. Prosthesis function, use and care		
	vii. Materials/information for pre-operative consultation, post-operative consultation and a laryngectomy volunteer visit		

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3(c)	Proficient in identifying physical, mental, and social factors that contraindicate or complicate successful outcome of the TEP procedure		
3(d)	Proficient in evaluating the sound generating potential of the pharyngoesophageal segment by insufflating the esophagus and interpreting the results		
3(e)	Knowledge of:		
	i. Rationale for insufflating the esophagus		
	ii. Esophageal insufflation test procedures, risks and infection control		
	iii. What constitutes a successful response		
	iv. The factors that can result in false negative responses		
	v. The risk of vasovagal stimulation that may be elicited by gastric distention		

Objective 4	Successfully fit a TE prosthesis	Supervisor initials	Date
4(a)	Complete a minimum of 5 observations of voice prosthesis insertion (including indwelling type) performed by a qualified practitioner		
4(b)	Proficient in measuring fistula length		
4(c)	Knowledge of:		
	i. Indications and contraindications for initiating prosthesis fitting		
	ii. Use of gauges for measuring puncture length		
	iii. Use of topical anaesthetics, potential adverse reactions and contraindications, application protocol		
4(d)	Proficient in selecting type and style of TE prosthesis		
4(e)	Knowledge of:		
	i. Various types of prosthesis features such as size, shape, resistance levels, insertion techniques, placement longevity and composition		
	ii. How features relate to client's needs		

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	iii. Manufacturer's instructions		
4(f)	Proficient in preparing the fistula and inserting the prosthesis		
4(g)	Knowledge of:		
	i. Catheters and stents used to modify the lumen		
	ii. The appropriate techniques for insertion for each available type of prosthesis		
4(h)	Proficient in checking for leaking of liquid around or through prosthesis		
4(i)	Knowledge of:		
	i. Procedures used to determine site of leak		
	ii. Causes of, and remedies for leaking around and through prosthesis		
4(j)	Proficient in assuring the prosthesis is properly seated and shunting pulmonary air into the esophagus		
4(k)	Knowledge of:		
	i. The factors that could interfere with prosthesis function		
	ii. The testing procedures used to identify prosthesis success or failure		
4(l)	Completed a minimum of 10 voice prosthesis insertions (including 2 indwelling type) with constant supervision by a qualified practitioner Need for additional supervised insertions to be determined by supervisor and applicant.		
Objective 5	Teach the client or significant others to insert the prosthesis	Supervisor initials	Date
5(a)	Proficient in teaching client or significant others to insert the prosthesis		
5(b)	Knowledge of:		

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	i. Effective lighting, insertion devices, lubricants and adhesives		
	ii. Use of catheters or stents to facilitate insertion		
	iii. Insertion systems		
	iv. Risks associated with prosthesis insertion and withdrawal (e.g. aspiration, bleeding)		
	v. Safety measures to prevent aspiration of the prosthesis		
Objective 6	Teach the client to produce voicing	Supervisor initials	Date
6(a)	Proficient in teaching the client to phonate with the prosthesis		
6(b)	Knowledge of:		
	i. Behaviours that facilitate production of TE sound		
	ii. Behaviours counterproductive to production of TE sound		
	iii. Possible causes of blockage of shunted air from the lower respiratory tracts to the esophagus for voice production		
Objective 7	Teach the client or significant others how to maintain working condition of prosthesis	Supervisor initials	Date
7(a)	Proficient in teaching the client proper hygiene for maintenance of the prosthesis, stoma and puncture		
7(b)	Knowledge of:		
	i. Frequency of cleaning and the procedures used to clean the stoma, peristomal site and prosthesis when it is in the puncture and when it is removed		
	ii. The effects of the candida organism on the prosthesis and methods of controlling its growth		
Objective 8	Identify problems related to tissue changes or stoma size	Supervisor initials	Date
8(a)	Proficient in understanding problems arising from tissue changes or stoma size		
8(b)	Knowledge of:		

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	i. Possible causes of blockage of shunted air from the lower respiratory tracts to the esophagus for voice production		
	ii. Precautions to prevent changes in tissue		
	iii. Signs and symptoms of respiratory problems related to stoma size		
	iv. When to refer to appropriate medical personnel		

Objective 9	Select appropriate candidates for tracheostoma valve	Supervisor initials	Date
9(a)	Proficient in understanding the advantages and disadvantages of placement of a tracheostoma valve and tracheostoma housing		
9(b)	Proficient in explaining all aspects of the tracheostoma valve to the client, significant others and other health professionals		
9(c)	Knowledge of:		
	i. The function, application, use and care of the tracheostoma valve and its housing		
	ii. The relationship between peristomal configuration and tracheostoma valve retention		
	iii. Factors that contraindicate or complicate tracheostoma valve retention		
	iv. The physical, mental and social factors that impact on the care and function of the tracheostoma valve and its housing		

Objective 10	Successfully fit the tracheostoma with a valve housing and valve	Supervisor initials	Date
10(a)	Proficient in selecting the appropriate style and type of valve housing		
10(b)	Knowledge of:		
	i. The types and features of available valve housings		
	ii. The features of the stoma and valve housing related to the client's needs		
10(c)	Proficient in applying the valve housing to the tracheostoma area		
10(d)	Knowledge of:		
	i. The procedures used to prepare the peristomal area		

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	ii. The manufacturer's instructions		
	iii. Alignment of the housing with the stoma		
10(e)	Proficient in selecting an appropriate tracheostoma valve		
10(f)	Knowledge of:		
	i. The types and features of available tracheostoma valves		
Objective 11	Teach the client how to use the tracheostoma valve	Supervisor initials	Date
11(a)	Proficient in applying the housing and valve over or in the stoma		
11(b)	Knowledge of:		
	i. The procedures used to prepare the peristomal area		
	ii. The manufacturer's instructions		
	iii. Alignment of the housing with the stoma		
11(c)	Proficient in explaining safety precautions when using the tracheostoma valve		
11(d)	Knowledge of:		
	i. Appropriate valve and valve housing use		
	ii. The methods to prevent valve and valve housing loss into the lower respiratory tract		
Objective 12	Teach the client or significant others to care for the tracheostoma valve and valve housing	Supervisor initials	Date
12(a)	Proficient in cleaning the tracheostoma valve and housing if applicable		
12(b)	Knowledge of:		
	i. Manufacturer's instructions		
	ii. Adhesive solvents		

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Objective 13	Resolve problems related to maintaining seal of valve housing	Supervisor initials	Date
13(a)	Proficient in taking remedial action		
13(b)	Knowledge of:		
	i. Methods of reducing airflow resistance in the prosthesis		
	ii. Methods of reducing airflow resistance in the esophagus and pharyngoesophageal segment		
	iii. Methods of modifying the tracheostoma valve housing		
	iv. Available adhesive materials		

**Applicant Declarations**

I have completed any examinations and the requirements outlined in this Advanced Competency Certification Program of Study and Training.

I declare that the statements made by me in this document and all accompanying submissions are complete and accurate. I understand that a false or misleading statement is an act of professional misconduct and may disqualify me from eligibility to hold an Advanced Competency Certificate and may result in referral to the Complaints Investigation Committee.

Applicant's Signature

By typing your name here, you are signing this application electronically, and you agree your electronic signature is the legal equivalent of your manual signature.