



CERTIFICATION PROGRAM & APPLICATION

Certificate G: Tracheo-esophageal Voice Prosthesis Assessment & Management

APPLICANT INFORMATION [mandatory Full registration status]

Name:		Registration #	
Email or phone:			
Training/employment setting:			
Hospital Outpatient Agency Private Clinic School Other			

I hereby attest that, pursuant to Part 10 of the College Bylaws and as prescribed below, I have successfully completed the certificate program requirements for Certificate G within three years prior to the date of this application, and that the information in respect of the following knowledge, skills, and competency is accurate and complete.

Applicant Signature	Application Date

SUPERVISOR INFORMATION [mandatory Full registration status and a holder of Certificate G, or other qualified health professional subject to approval]

1. Name:			
Contact email or phone:		Registration #	
Health Care Professional designation and Certificate G where available:			

Supervisor Signature:			
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2. Name:			
Contact email or phone:		Registration #	
Health Care Professional designation and Certificate G where available:			

Supervisor Signature:			
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Fee:	<p>\$50.00 per certificate to a maximum of \$100 regardless of the number of certificates held.</p> <p>Either 1) complete the application, including payment of fee, through the Registrant Portal of the CSHBC website, 2) remit a cheque with this form completed to CSHBC, 900 - 200 Granville Street, Vancouver, BC V6C 1S4, or 3) provide credit card information by phone (604.742.6380) and submit this completed form by email attachment to enquiries@cshbc.ca.</p>
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Date Submitted:	
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PRE-REQUISITES: CERTIFICATE G

The following PRE-REQUISITES are required prior to commencement of the CERTIFICATION PROGRAM objectives -- pre-requisite education/courses must have been completed within the past 7 years.

Pre-requisite 1	Full registration status as a Registered Speech-Language Pathologist (RSLP).	
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CERTIFICATION PROGRAM: CERTIFICATE G

The CERTIFICATION PROGRAM is a progressive learning process that includes knowledge, clinical judgment, practical application of skills, and demonstrated competencies -- the program must be completed within three years.

Program Objectives	Knowledge, Skills, and Demonstrated Competencies for Certification Program	
Objective 1	To attain pre-requisites for assessing and managing voice disorders and restoration using tracheoesophageal puncture (TEP) techniques and prostheses	Supervisor initials
1.1	Minimum two years clinical experience with adult population – training may commence after the completion of one-year experience	
1.2	Training setting allows for hands-on practical experience with the relevant population	
Objective 2	To attain the background knowledge for voice restoration using TEP	Supervisor Initials
2.1	Knowledge of:	
2.1.1	<ul style="list-style-type: none"> Post-laryngectomy anatomy and physiology in relation to respiration, deglutition and production of tracheoesophageal (TE) sound and articulating alaryngeal speech 	
2.1.2	<ul style="list-style-type: none"> The effects of head and neck surgery, irradiation therapy and/or chemotherapy 	
2.1.3	<ul style="list-style-type: none"> Tumour staging and implications for treatment 	
Objective 3	To select appropriate candidates for TEP	Supervisor Initials

3.1	Demonstrate proficiency in discussing all aspects of TEP with the patient and significant others.	
3.1.1	Knowledge of:	
3.1.2	<ul style="list-style-type: none"> ▪ The purpose of the TEP 	
3.1.3	<ul style="list-style-type: none"> ▪ The advantages and disadvantages of TEP 	
3.1.4	<ul style="list-style-type: none"> ▪ Anatomical and physiological requirements for producing esophageal sound and articulating alaryngeal speech 	
3.1.5	<ul style="list-style-type: none"> ▪ The physical and mental requirements for TEP 	
3.1.6	<ul style="list-style-type: none"> ▪ TEP surgical procedures (primary vs. secondary) 	
3.1.7	<ul style="list-style-type: none"> ▪ Prosthesis function use and care 	
3.1.8	<ul style="list-style-type: none"> ▪ Materials/information for pre-operative consultation, post-operative consultation and a laryngectomy volunteer visit 	
3.2	Demonstrate proficiency in identifying physical, mental and social factors that contraindicate or complicate successful outcome of the TEP procedure.	
3.3	Demonstrate proficiency in evaluating the sound generating potential of the pharyngoesophageal segment by insufflating the esophagus and interpreting the results.	
	Knowledge of:	
3.3.1	<ul style="list-style-type: none"> ▪ Rationale for insufflating the esophagus 	
3.3.2	<ul style="list-style-type: none"> ▪ Esophageal insufflation test procedures, risks and infection control 	
3.3.3	<ul style="list-style-type: none"> ▪ What constitutes a successful response 	
3.3.4	<ul style="list-style-type: none"> ▪ The factors that can result in false negative responses 	
3.3.5	<ul style="list-style-type: none"> ▪ The risk of vasovagal stimulation that may be elicited by gastric distention 	
Objective 4	To successfully fit a TE prosthesis	Supervisor Initials
4.1	Completion of a minimum of 5 observations of voice prosthesis insertion (including indwelling type) performed by a qualified practitioner.	

4.2	Demonstrate proficiency in measuring fistula length. Knowledge of:	
4.2.1	<ul style="list-style-type: none"> ▪ Indications and contraindications for initiating prosthesis fitting 	
4.2.2	<ul style="list-style-type: none"> ▪ Use of gauges for measuring puncture length 	
4.2.3	<ul style="list-style-type: none"> ▪ Use of topical anaesthetics, potential adverse reactions and contraindications, application protocol 	
4.3	Demonstrate proficiency in selecting type and style of TE prosthesis. Knowledge of:	
4.3.1	<ul style="list-style-type: none"> ▪ Various types of prosthesis features such as, size, shape, resistance levels, insertion techniques, placement longevity and composition 	
4.3.2	<ul style="list-style-type: none"> ▪ How features relate to patient's needs 	
4.3.3	<ul style="list-style-type: none"> ▪ Manufacturer's instructions 	
4.4	Demonstrate proficiency in preparing the fistula and inserting the prosthesis. Knowledge of:	
4.4.1	<ul style="list-style-type: none"> ▪ Catheters and stents used to modify the lumen 	
4.4.2	<ul style="list-style-type: none"> ▪ The appropriate techniques for insertion for each available type of prosthesis 	
4.5	Demonstrate proficiency in checking for leaking of liquid around or through prosthesis Knowledge of:	
4.5.1	<ul style="list-style-type: none"> ▪ Procedures used to determine site of leak 	
4.5.2	<ul style="list-style-type: none"> ▪ Causes of, and remedies for leaking around and through prosthesis 	
4.6	Demonstrate proficiency in assuring the prosthesis is properly seated and shunting pulmonary air into the esophagus Knowledge of:	
4.6.1	<ul style="list-style-type: none"> ▪ The factors that could interfere with prosthesis function 	

4.6.2	<ul style="list-style-type: none"> The testing procedures used to identify prosthesis success or failure 	
4.7	Completion of 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	To teach the patient or significant others to insert the prosthesis	Supervisor initials
5.1	Demonstrate proficiency in teaching patient or significant others to insert the prosthesis. Knowledge of:	
5.1.1	<ul style="list-style-type: none"> Effective lighting, insertion devices, lubricants and adhesives 	
5.1.2	<ul style="list-style-type: none"> Use of catheters or stents to facilitate insertion 	
5.1.3	<ul style="list-style-type: none"> Insertion systems 	
5.1.4	<ul style="list-style-type: none"> Risks associated with prosthesis insertion and withdrawal (e.g. Aspiration, bleeding) 	
5.1.5	<ul style="list-style-type: none"> Safety measures to prevent aspiration of the prosthesis 	
Objective 6	To teach the patient to produce voicing	Supervisor initials
6.1	Demonstrate proficiency in teaching the patient to phonate with the prosthesis. Knowledge of:	
6.1.1	<ul style="list-style-type: none"> Behaviours that facilitate production of TE sound 	
6.1.2	<ul style="list-style-type: none"> Behaviours counterproductive to production of TE sound 	
6.1.3	<ul style="list-style-type: none"> Possible causes of blockage of shunted air from the lower respiratory tracts to the esophagus for voice production 	
Objective 7	To teach the patient or significant others how to maintain working condition of prosthesis	Supervisor initials
7.1	Demonstrate proficiency in teaching the patient proper hygiene for maintenance of the prosthesis, stoma and puncture. Knowledge of:	

7.1.1	<ul style="list-style-type: none"> 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. 	
7.1.2	<ul style="list-style-type: none"> The effects of the candida organism on the prosthesis and methods of controlling its growth 	
Objective 8	To identify problems related to tissue changes or stoma size	Supervisor initials
8.1	Demonstrate proficiency in understanding problems arising from tissue changes or stoma size. Knowledge of:	
8.1.1	<ul style="list-style-type: none"> Possible causes of blockage of shunted air from the lower respiratory tracts to the esophagus for voice production 	
8.1.2	<ul style="list-style-type: none"> Precautions to prevent changes in tissue 	
8.1.3	<ul style="list-style-type: none"> Signs and symptoms of respiratory problems related to stoma size 	
8.1.4	<ul style="list-style-type: none"> When to refer to appropriate medical personnel 	
Objective 9	To select appropriate candidates for a tracheostoma valve	Supervisor initials
9.1	Demonstrate proficiency in: <ul style="list-style-type: none"> Understanding the advantages and disadvantages of placement of a tracheostoma valve and tracheostoma housing Explaining all aspects of the tracheostoma valve to the patient, significant others and other health professionals. Knowledge of:	
9.1.1	<ul style="list-style-type: none"> The function, application, use and care of the tracheostoma valve and its housing. 	
9.1.2	<ul style="list-style-type: none"> The relationship between peristomal configuration and tracheostoma valve retention 	
9.1.3	<ul style="list-style-type: none"> Factors that contraindicate or complicate tracheostoma valve retention 	
9.1.4	<ul style="list-style-type: none"> The physical, mental and social factors that impact on the care and function of the tracheostoma valve and its housing 	
Objective 10	To successfully fit the tracheostoma with a valve housing and valve	Supervisor initials

10.1	Demonstrate proficiency in selecting the appropriate style and type of valve housing. Knowledge of:	
10.1.1	<ul style="list-style-type: none"> ▪ The types and features of available valve housings 	
10.1.2	<ul style="list-style-type: none"> ▪ The features of the stoma and valve housing related to the patient's needs 	
10.2	Demonstrate proficiency in applying the valve housing to the tracheostoma area. Knowledge of:	
10.2.1	<ul style="list-style-type: none"> ▪ The procedures used to prepare the peristomal area 	
10.2.2	<ul style="list-style-type: none"> ▪ The manufacturer's instructions 	
10.2.3	<ul style="list-style-type: none"> ▪ Alignment of the housing with the stoma 	
10.3	Demonstrate proficiency in selecting an appropriate tracheostoma valve Knowledge of:	
	<ul style="list-style-type: none"> ▪ The types and features of available tracheostoma valves 	
Objective 11	To teach the patient how to use the tracheostoma valve	Supervisor initials
11.1	Demonstrate proficiency in applying the housing and valve over or in the stoma. Knowledge of:	
11.1.1	<ul style="list-style-type: none"> ▪ The procedures used to prepare the peristomal area 	
11.1.2	<ul style="list-style-type: none"> ▪ The manufacturer's instructions 	
11.1.3	<ul style="list-style-type: none"> ▪ Alignment of the housing with the stoma 	

11.2	Demonstrate proficiency in explaining safety precautions when using the tracheostoma valve. Knowledge of:	
11.2.1	<ul style="list-style-type: none"> ▪ Appropriate valve and valve housing use 	
11.2.2	<ul style="list-style-type: none"> ▪ The methods to prevent valve and valve housing loss into the lower respiratory tract 	
Objective 12	To teach the patient or significant others to care for the tracheostoma valve and valve housing	Supervisor initials
12.1	Demonstrate proficiency in cleaning the tracheostoma valve and housing if applicable. Knowledge of:	
12.1.1	<ul style="list-style-type: none"> ▪ Manufacturer’s instructions 	
12.1.2	<ul style="list-style-type: none"> ▪ Adhesive solvents 	
Objective 13	To resolve problems related to maintaining seal of valve housing	Supervisor initials
13.1	Demonstrate proficiency in taking remedial action Knowledge of:	
13.1.1	<ul style="list-style-type: none"> ▪ Methods of reducing airflow resistance in the prosthesis 	
13.1.2	<ul style="list-style-type: none"> ▪ Methods of reducing airflow resistance in the esophagus and pharyngoesophageal segment 	
13.1.3	<ul style="list-style-type: none"> ▪ Methods of modifying the tracheostoma valve housing 	
13.1.4	<ul style="list-style-type: none"> ▪ Available adhesive materials 	
Extensions:	By mutual agreement between the supervisor and trainee, any or all objectives may be extended beyond minimum requirements	



Objectives extended?

YES

NO

If yes, which
objectives were
extended?

CSHBC RELATED DOCUMENTS

Certified Practice (SOP-PROF-06)

Approved Certification Programs (POL-QA-04)

Infection Prevention and Control Guidelines for Audiology (ACPG-08)

Supervision (SOP-PRAC-07)