



# **Hong Kong College of Surgical Nursing**

**Surgical Nursing Training: Part B  
Specialty – Enterostomal Therapy /  
Stoma and Wound Care Nursing**

**Curriculum**

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## 1. INTRODUCTION

The Enterostomal Therapy / Stoma and Wound Care Nursing Training is designed for registered nurses (RN) who want to advance their clinical knowledge, skills, and practice to a higher level in the spectrum of Surgery. The specialty includes stoma care, wound care and/or continence care where emphases are based on evidence-based quality practice and enabling the nurse to practice as an independent advanced practice nurse.

Enterostomal Therapy (ET) Nurses are nurses who received an Enterostomal Therapy Nurse Education Programme (ETNEP) in the care for people with ostomy, wound or continence needs as recognized by an international organization - World Council of Enterostomal Therapists (WCET).

Stoma & Wound Care Nurses are nurses who received a Recognized Education Program Stoma and Wound (REP Stoma and Wound) in the care for people with ostomy and wound needs as recognized by an international organization – World Council of Enterostomal Therapists (WCET).

There are also REP - Stoma and REP Stoma and Continence training programmes recognized by WCET. In Hong Kong, ETNEP and REP Stoma and Wound training programmes are provided by the University and local health care institution since 1995 and 2011 respectively. Recognition of these two specialty nurses according to the specialty trainings received are essential.

## 2. AIMS

- 2.1 To prepare trainees updated specialty knowledge and skills in managing clients with stoma, wound and/or continence problems so as to provide holistic quality care to these clients and their relatives / carers. **(Domain 1, 2, 4, 5 & 6)**
- 2.2 To enhance trainees to take up the extended roles and responsibilities in Enterostomal Therapy / Stoma and Wound Care Nursing. **(Domain 1, 2, 3, 4, 5, 6 & 7)**

### **3. PROGRAMME INTENDED LEARNING OUTCOMES**

Upon completion of the course, trainees should be able to:

- 3.1 Outline common stoma, wound and/or continence problems (**Domain 1, 2, 4, 5 & 6**)
- 3.2 Outline the latest medical and nursing management of patients with stoma, wound and/or continence problems (**Domain 1, 2, 3, 4, 5, 6 & 7**)
- 3.3 Recognize the specific knowledge on the structure and function of advance technology, instruments, products & accessories in stoma, wound and/or continence care (**Domain 1, 2, 4, 5 & 6**)
- 3.4 Provide specialized care to patients undergoing investigations, treatment, and education relating to stoma, wound and/or continence care. (**Domain 1, 2, 4, 5 & 6**)
- 3.5 Apply nursing process effectively to patients with stoma, wound and/or continence problems (**Domain 1, 2, 3, 4, 5, 6 & 7**)
- 3.6 Act as a resource person and consultant to nursing staff and to other health care professionals (**Domain 1, 2, 3, 4, 5, 6 & 7**)
- 3.7 Promote evidence-based practice on stoma, wound and/or continence nursing (**Domain 1, 2, 3, 4, 5, 6 & 7**)
- 3.8 Apply infection control management effectively during stoma, wound and/or continence care (**Domain 1, 2, 3, 4, 5, 6 & 7**)

### **4. LANGUAGE MEDIUM**

Both English and Cantonese will be used in tutorial sessions. All written assignments and examination will be in English.

## **5. COURSE CONTENTS (Total Learning Hours = 208)**

### **Unit I Enterostomal Therapy Nursing (Learning hours = 7)**

#### **5.1 Background and Advanced Roles in Enterostomal Therapy Nursing (Domain 1, 2, 3, 4, 5, 6 & 7)**

- 5.1.1 Role and development of Enterostomal Therapy Nursing
- 5.1.2 Standard of Enterostomal Therapy Nursing
- 5.1.3 International and local stoma, wound and/or continence organizations:
  - History of World Council of Enterostomal Therapists (WCET)
  - Introduction of Hong Kong Enterostomal Therapists Association
- 5.1.4 Global trend in Enterostomal Therapy Nursing
- 5.1.5 Nurse Clinic Services in Stoma, Wound and/or Continence Care
- 5.1.6 Evidence-based practice in Enterostomal Therapy Nursing
- 5.1.7 Ethical issues in Enterostomal Therapy Nursing

### **Unit II Stoma Care (Learning hours = 86 + Examination hours = 7)**

#### **5.2 Physiology & Patho-physiological Process of Gastrointestinal, Genito-urinary, Gynaecological System (Domain 1, 4, 5 & 6) (8.5 hours)**

- 5.2.1 Applied knowledge of:
  - anatomy and physiological of gastrointestinal tract and genito-urinary tract
  - etiology of bowel and bladder cancer
  - etiology of Cervical, Endometrial and ovarian cancer
  - etiology of Familial Adenomatous Polyposis, Crohn's disease, Ulcerative colitis, Irritable bowel syndrome

#### **5.3 Diagnostic and therapeutic interventions of colo-rectal, gynaecological and genito-urinary system (Domain 1, 2, 4, 5, 6 & 7) (20 hours)**

- 5.3.1 Integrate and apply advanced clinical knowledge in

- diagnostic procedures of colo-rectal, gynaecological & genito-urinary tract
- chemotherapy and radiotherapy for bowel and bladder cancer
- pharmacotherapeutic management of patients with special problems (e.g. high-output stomas)
- long term total parenteral nutrition for short gut syndrome
- therapeutic interventions of Familial Adenomatous Polyposis, Crohn's disease, Ulcerative colitis, Irritable bowel syndrome

5.3.2 Integrate and apply advanced clinical knowledge with competence in

- therapeutic interventions of neoplasms of the colo-rectal, gynaecological and genitor-urinary tract
- management of sexuality and sexual issues of ostomates
- management of sexual dysfunction

## **5.4 Nursing interventions of stoma care (31 hours)**

5.4.1 Nursing assessment (Domain 1, 2, 4, 5 & 6) (3 hours)

- Integrate and apply advanced clinical knowledge in
  - pre-operative and post-operative assessment
  - psychological, physical, spiritual, social, home environment assessment
  - normal and abnormal stoma & peristomal skin complications assessment

5.4.2 Nursing management in stoma care (Domain 1, 2, 3, 4, 5, 6 & 7) (28 hours)

- Integrate and apply advanced clinical knowledge with competence in
  - siting technique (theory and practice)
  - pre-operative and post-operative counselling
  - management of stoma and peristomal condition and early post-op complications

- patient education regarding stoma care, stoma care products, accessories and community resources
- dietary aspect of ostomates
- psychosocial aspects of ostomates
- stomal and peristomal complications and their management
- nursing care of patients with continent urinary diversion and neo-bladder
- specific management of various kinds of stomas (e.g. oesophagostomy, gastrostomy, head and neck stoma, continence stoma)
- nursing care of patients with pelvic exenteration and vagino plasty
- nursing care of patients with ileal conduit and catheterization
- critically review of case study in management of stomal and peristomal skin complications
- case management of colorectal cancer patient
- critically review the journey of the ostomates and provide early discharge planning

## **5.5 Paediatric stoma care (Domain 1, 2, 4, 5 & 6) (7 hours)**

5.5.1 Apply knowledge in etiology of paediatric related diseases

5.5.2 Integrate and apply advanced clinical knowledge in

- types of stoma and surgical constructions with special reference to paediatric conditions
- pre-operative and post-operative psychological (including parental), physical, spiritual, social, home environment assessment
- patient and /or parental education regarding stoma care, stoma care products, accessories and community resources
- congenital paediatric abnormality and related stoma

- 5.5.3 Integrate and apply advanced clinical knowledge with competence in
- therapeutic interventions of congenital bowels diseases & paediatric related diseases
  - stoma & peristomal skin conditions and early post-op complications
  - pre-operative and post-operative counselling (including parental counselling)
  - management of stoma and peristomal condition and their complications

**5.6 Special nursing procedures (Domain 1, 2, 4, 5 & 6) (8 hours)**

- 5.6.1 Colostomy irrigation (*1 hour*)
- 5.6.2 Fleet enema via stoma (*0.5 hour*)
- 5.6.3 Use of conceal plug (*0.5 hour*)
- 5.6.4 Stomal feeding and nursing care of patients after IPAA surgery (*2 hours*)
- 5.6.5 Stoma Care products (*3 hours*)
- 5.6.6 Issues on pregnant ostomates (*1 hour*)

**5.7 Other issues (Domain 1, 2, 3, 4, 5, 6 & 7) (4.5 hours)**

- 5.7.1 Palliative care (*2 hours*)
- 5.7.2 Acute and chronic pain management (*1 hour*)
- 5.7.3 Patient support groups (*1 hour*)
- 5.7.4 Community resources (*0.5 hour*)

**5.8 Course assessment and evaluation (7 hours + 7 hours examination)**

- 5.8.1 Written examination (*3 hours*)
- 5.8.2 Product assessment (*3 hours*)
- 5.8.3 Clinical nursing project and project presentation (*7 hours*)
- 5.8.4 Course evaluation (*1 hour*)



### **Unit III Wound Care (Learning hours = 74 + Examination hours = 7)**

#### **5.9 Physiology and pathophysiological of Skin and Soft Tissue Anatomy and Wound Healing (Domain 1, 4 & 6) (5 hours)**

5.9.1 Applied knowledge of:

- anatomy and physiology of skin and soft tissues
- physiology of wound healing in acute and chronic wounds
- etiology of pressure injury, venous ulcer, arterial ulcer, neuropathic foot ulcer, cancerous wounds, fistula and sinus, burn and scald wounds
- physiology and pathophysiology of wound pain

#### **5.10 Diagnostic and therapeutic interventions of assessment of patient, skin, wound and prediction of healing (Domain 1, 2, 3, 4, 5 & 6) (8 hours)**

5.10.1 Integrate and apply advanced clinical knowledge in

- assessment of factors affecting wound healing
- wound assessment, classification and documentation
- pharmacotherapeutic management of patients with special problems (e.g. wound infection)
- investigation of vascular problem

5.10.2 Integrate and apply advanced clinical knowledge with competence in

- wound bed preparation (e.g. TIME)
- management of infectious wounds
- management of venous problem.
- management of non-healing wounds
- management of wounds related to diseases such as Pyoderma Gangrenosum, Calciphylaxis

#### **5.11 Nursing interventions of wound care (39 hours)**

5.11.1 Nursing Assessment (Domain 1, 2, 4, 5 & 6) (8 hours)

- Integrate and apply advanced clinical knowledge in
  - wound characteristics assessment

- factors affecting wound healing and role of nutrition in wound healing
- wound assessment process and attributes
- wound classification systems
- wound healing tools
- wound documentation and practice
- risk assessment tool and practice

5.11.2 Nursing management in wound care (Domain 1, 2, 3, 4, 5, 6 & 7)  
(31 hours)

- Integrate and apply advanced clinical knowledge with competence in management of
  - acute surgical wound, trauma wound , tube & drain, pressure injury, venous ulcer, arterial ulcer, neuropathic foot ulcer, cancerous wound, fistula and sinus, burn and scald wounds
  - atypical wounds and non-healing wounds (e.g. Epidermolysis Bullosa, vasculitis, necrotizing fasciitis)
  - incontinence associated dermatitis, skin tears, extravasation wounds
  - skin graft, and flap and nursing care in reconstructive surgery
  - skin problems (e.g. Hidradenitis Suppurativa, Stevens-Johnson Syndrome / Toxic Epidermal Necrolysis (TENS))
  - head & neck stomas and wounds
- Integrate and apply advanced clinical knowledge in patient education regarding acute or chronic wounds care and prevention of wound recurrence and community resources
- Critically review of case study in management of acute and chronic wounds

**5.12 Special nursing procedures (Domain 1,2,4,5 & 6) (14 hours)**

- 5.12.1 Wound debridement methods (*4 hour*)
- 5.12.2 Negative pressure wound therapy (*2 hour*)
- 5.12.3 Wound care products (*3 hours*)
- 5.12.4 Ankle Brachial Pressure Index, Toe Brachial Pressure Index, monofilament and compression therapy (*4 hour*)
- 5.12.5 Infection Control in Wound management (*1 hour*)

**5.13 Other issues (Domain 1, 2, 3, 4, 5 & 6 ) (8 hours)**

- 5.13.1 Palliative wound care (*2 hours*)
- 5.13.2 Acute and chronic wound pain management (*1 hour*)
- 5.13.3 Role of Allied health care teams in burn and scald wound management (*2 hour*)
- 5.13.4 Role of Allied health care teams in pressure injury prevention and management (*2 hours*)
- 5.13.5 Adjunctive therapy in wound management (e.g. hyperbaric oxygen, growth factors, light therapy) (*1 hour*)

**5.14 Course assessment and evaluation (7 hours examination)**

- 5.14.1 Written examination (*3 hours*)
- 5.14.2 Product assessment (*3 hours*)
- 5.14.3 Course evaluation (*1 hour*)

**Unit IV Continence Care (Learning hours = 41 + Examination hours = 6)**

**5.15 Anatomy and physiology of voiding and defecation (Domain 1, 4 & 6) (3 hours)**

- 5.15.1 Applied knowledge of:
  - Anatomy of lower urinary tract, colon, rectum and anal canal
  - Neurologic control of lower urinary tract
  - Normal micturition, continence and defecation
  - Age-related factors in voiding
  - Pelvic floor and sphincter musculature

- Maturational changes in continence mechanisms in infants, children and aged

**5.16 Pathophysiology of urinary incontinence and fecal incontinence (Domain 1, 4 & 6) (3 hours)**

5.16.1 Applied knowledge of:

- Classification systems for voiding dysfunction
- Normal micturition
- Storage problem caused by bladder and sphincter abnormalities
- Emptying problem caused by bladder and bladder outlet abnormalities
- Sphincter dysfunction
- Altered rectal compliance
- Neuropathies
- Skeletal and smooth-muscle myopathies
- Behavioral dysfunction

**5.17 Diagnostic and therapeutic interventions of voiding and defecation system (Domain 1, 2, 3, 4, 5 & 6) (6 hours)**

5.17.1 Integrate and apply advanced clinical knowledge in

- assessment of factors causing incontinence
- assessment of voiding diary and bowel function diary
- pharmaco-therapeutic management of patients with special enuresis problems
- studies of anorectal physiology
- management of urinary tract infection
- management of intractable incontinence

5.17.2 Integrate and apply advanced clinical knowledge with competence in

- bowel training
- management of voiding training
- sphincter retraining

## **5.18 Nursing interventions of continence care (16 hours)**

### 5.18.1 Nursing Assessment (Domain 1, 2, 4, 5 & 6) (4 hours)

- Integrate and apply advanced clinical knowledge in urinary incontinence assessment
  - Voiding diary
  - Physical examination
  - Laboratory studies and radiographic studies
  - Urodynamic studies
  - Psychosocial and economic concerns
  - Pads Test
  - International Prostate Symptom Score (IPSS)
  - Bladder Scan
- Integrate and apply advanced clinical knowledge in fecal incontinence assessment
  - Bowel function diary
  - Physical examination
  - Laboratory and radiographic studies
  - Studies of anorectal physiology
  - Psychosocial and economic concerns
  - Biofeedback

### 5.18.2 Nursing management in continence care (Domain 1, 2, 3, 4, 5, 6 & 7) (12 hours)

- Integrate and apply advanced clinical knowledge with competence in
  - counselling for patient with urinary and fecal incontinence
  - nursing management of urinary incontinence: functional incontinence, urge incontinence, stress incontinence, overflow incontinence
  - nursing management of bowel incontinence
  - bowel management and training for incontinence
  - sphincter retraining for incontinence
  - pelvic floor muscle exercise training

- nutrition management of constipation
- patient education regarding continence care, use of continence care products, support group and community resources
- nursing management of clean intermittent catheterization

**5.19 Special nursing procedure: Paediatric continence Care (Domain 1, 2, 4, 5 & 6) (4 hours)**

5.19.1 apply knowledge in etiology of paediatric urinary and bowel incontinence problems

5.19.2 integrate and apply advanced clinical knowledge in

- types of incontinence problems in paediatric conditions
- physical, spiritual, social, home environment assessment
- paediatric patient and parents' education regarding bladder and / or bowel home training
- paediatric patient or parents' education on use of continence care products

5.19.3 integrate and apply advanced clinical knowledge with competence in

- bowel management and training program
- management of urotherapy training

**5.20 Special nursing procedures (Domain 1, 2, 4, 5 & 6) (8 hours)**

5.20.1 Urodynamic study (1 hour)

5.20.2 Clean intermittent catheterization (1 hour)

5.20.3 Uroflow study and bladder scanning (1 hour)

5.20.4 Care of indwelling urethral catheter, suprapubic catheter and PCN (1 hour)

5.20.5 Anorectal manometry study (1 hour)

5.20.6 Retrograde colonic irrigation (1 hour)

5.20.7 Biofeedback training (1 hour)

5.20.8 Incontinence Care products (1 hour)

**5.21 Other issues (Domain 1, 2, 3, 4, 5, 6 & 7) (1 hour)**

5.21.1 Patient support groups (0.5 hour)

5.21.2 Community resources (0.5 hour)

**5.22 Course assessment and evaluation (6 hours )**

5.22.1 Written examination (3 hours)

5.22.2 Product assessment (2 hours)

5.22.3 Course evaluation (1 hour)

## 6. RELATIONSHIP BETWEEN CURRICULUM AND DOMAIN OF COMPETENCE FRAMEWORK

		Domains						
		I	II	III	IV	V	VI	VII
<b><u>Unit I</u> Background and Advanced Roles in Enterostomal Therapy Nursing</b>								
1	Role & development of Enterostomal Therapy Nursing	✓	✓	✓	✓	✓	✓	
2	Standard of Enterostomal Therapy Nursing	✓		✓		✓	✓	
3	International & local wound, stoma & continence organizations: - History of World Council of Enterostomal Therapists (WCET) - Introduction of Hong Kong Enterostomal Therapists Association			✓	✓	✓	✓	✓
4	Global trend in Enterostomal Therapy Nursing			✓	✓	✓	✓	✓
5	Nurse Clinic Services in Stoma, Wound and Continence Care	✓	✓	✓	✓	✓	✓	✓
6.	Evidence-based practice in Enterostomal Therapy Nursing	✓	✓	✓	✓	✓	✓	
<b><u>Unit II</u> Stoma Care</b>								
<b>Physiology &amp; Patho-physiological Process of GI, GU, Gynaecological System</b>								
1	Applied knowledge of - anatomy & physiological of gastrointestinal tract , genito-urinary tract	✓			✓	✓	✓	
	- bowel and bladder cancer	✓			✓	✓	✓	
	- cervical, endometrial & ovarian cancer	✓			✓	✓	✓	
	- etiology of Familial Adenomatous Polyposis, Crohn's disease, Ulcerative colitis, Irritable bowel syndrome	✓			✓	✓	✓	



		Domains						
		I	II	III	IV	V	VI	VII
<b>Diagnostic and therapeutic interventions of colo-rectal, gynaecological and genitor-urinary system</b>								
2	Integrate and apply advanced clinical knowledge in	✓	✓		✓	✓	✓	
	- diagnostic procedures of colo-rectal, gynaecological & genitor-urinary tract							
	- chemotherapy and radiotherapy for bowel and bladder cancer	✓	✓		✓	✓	✓	
	- pharmacotherapeutic management of patients with special problems (e.g. high-output stomas)	✓	✓		✓	✓	✓	
	- long term total parenteral nutrition for short gut syndrome	✓	✓		✓	✓	✓	
	- therapeutic interventions of Familial Adenomatous Polyposis, Crohn's disease, Ulcerative colitis, Irritable bowel syndrome	✓	✓		✓	✓	✓	
3	Apply advanced clinical knowledge with competence	✓	✓		✓	✓	✓	
	- therapeutic interventions of neoplasms of the colo-rectal, gynaecological and genitor-urinary tract							
	- management of sexuality and sexual issues of ostomates	✓	✓		✓	✓	✓	
	- management of sexual dysfunction and its management	✓	✓		✓	✓	✓	
<b>Nursing interventions of stoma care</b>								
<b>Nursing Assessment</b>								
1	Integrate and apply advanced clinical knowledge in pre-operative assessment in	✓	✓		✓	✓	✓	
	- pre-operative and post-operative assessment							
	- psychological, physical, spiritual, social, home environment	✓	✓		✓	✓	✓	
	- normal and abnormal stoma & peristomal skin complications assessment	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
<b>Nursing management in stoma care</b>								
1	Integrate and apply advanced clinical knowledge in	✓	✓		✓	✓	✓	
	- siting technique (theory and practice)	✓	✓		✓	✓	✓	
	- pre-operative and post-operative counselling	✓	✓		✓	✓	✓	
	- management of stoma and peristomal condition and their early post-op complications	✓	✓		✓	✓	✓	
	- patient education regarding stoma care, stoma care products, accessories and community resources	✓	✓		✓	✓	✓	
	- dietary aspect of ostomates	✓	✓		✓	✓	✓	
	- psychosocial aspects of ostomates	✓	✓		✓	✓	✓	
	- stomal and peristomal complications and their management	✓	✓		✓	✓	✓	
	- nursing care of patients with Continent urinary diversion and Neo-bladder	✓	✓		✓	✓	✓	
	- specific management of various kinds of stomas (e.g. oesophagostomy, gastrostomy, head and neck stoma, continence stoma)	✓	✓		✓	✓	✓	
	- nursing care of patients with pelvic exenteration and vagino plasty	✓	✓		✓	✓	✓	
	- nursing care of patients with ileal conduit and catheterization	✓	✓		✓	✓	✓	
	- critically review of case study in management of stomal and peristomal skin complications	✓	✓		✓	✓	✓	✓
- case management of colorectal cancer patient	✓	✓	✓	✓	✓	✓		
- critically review the journey of the ostomates and provide early discharge planning	✓	✓	✓	✓	✓	✓		

		Domains						
		I	II	III	IV	V	VI	VII
<b>Paediatric stoma care</b>								
1	Applied knowledge in etiology of paediatric related diseases	✓	✓		✓	✓	✓	
2	Integrate and apply advanced clinical knowledge in - types of stoma and surgical constructions with special reference to paediatric conditions	✓	✓		✓	✓	✓	
	- pre-operative and post-operative psychological (including parental), physical, spiritual, social, home environment assessment	✓	✓		✓	✓	✓	
	- patient and parental education regarding stoma care, stoma care products, accessories and community resources	✓	✓		✓	✓	✓	
	- congenital paediatric abnormality and related stoma	✓	✓		✓	✓	✓	
3	Integrate and apply advanced clinical knowledge with competence in - therapeutic interventions of congenital bowels diseases & paediatric related diseases	✓	✓		✓	✓	✓	
	- stoma & peristomal skin conditions and early post-op complications	✓	✓		✓	✓	✓	
	- pre-operative and post-operative counselling (including parental counselling)	✓	✓		✓	✓	✓	
	- management of stoma and peristomal condition and their complications	✓	✓		✓	✓	✓	
<b>Special nursing procedures</b>								
1	Colostomy irrigation	✓	✓		✓	✓	✓	
2	Fleet enema via stoma	✓	✓		✓	✓	✓	
3	Use of conceal plug	✓	✓		✓	✓	✓	
4	Stomal feeding and nursing care of patients after IPAA surgery	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
5	Stoma care products	✓	✓		✓	✓		
6	Issues on pregnant ostomates	✓	✓		✓	✓		
<b>Other issues</b>								
1	Palliative care	✓	✓	✓	✓	✓	✓	
2	Acute & chronic pain management	✓	✓	✓	✓	✓	✓	
3	Patient support groups	✓	✓	✓	✓	✓	✓	
4	Community resources	✓	✓	✓	✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
<b><u>Unit III</u> Wound Care</b>								
<b>Physiology and Pathophysiology of Skin and Soft Tissue and Wound Healing</b>								
1	Applied knowledge of - anatomy and physiology of skin and soft tissues	✓			✓		✓	
	- physiology of wound healing in acute and chronic wounds	✓			✓		✓	
	- etiology of pressure injury, venous ulcer, arterial ulcer, neuropathic foot ulcer, cancerous wounds, fistula and sinus, burn and scald wounds	✓			✓	✓	✓	
	- physiology and pathophysiology of wound pain	✓			✓	✓	✓	
<b>Diagnostic and therapeutic interventions of assessment of patient, skin, wound and prediction of healing</b>								
1	Integrate and apply advanced clinical knowledge in - assessment of factors affecting wound healing	✓	✓		✓	✓	✓	
	- wound assessment, classification and documentation	✓	✓		✓	✓	✓	
	- pharmacotherapeutic management of patients with special problems (e.g. wound infection)	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
1	- investigation of vascular problem	✓	✓		✓	✓	✓	
2	Apply advanced clinical knowledge with competence in - wound bed preparation (e.g. TIME)	✓	✓		✓	✓	✓	
	- management of infectious wounds	✓	✓		✓	✓	✓	
	- management of venous problem	✓	✓		✓	✓	✓	
	- management of non-healing wounds	✓	✓		✓	✓	✓	
	- management of wounds related to diseases e.g. Pyoderma Gangrenosum, Calciphylaxis	✓	✓		✓	✓	✓	
<b>Nursing interventions of wounds care</b>								
<b>Nursing Assessment</b>								
1	Integrate and apply advanced clinical knowledge in - wound characteristics assessment	✓	✓		✓	✓	✓	
	- factors affecting wound healing and role of nutrition in wound healing	✓	✓		✓	✓	✓	
	- wound assessment process and attributes	✓	✓		✓	✓	✓	
	- wound classification systems	✓	✓		✓	✓	✓	
	- wound healing tools	✓	✓		✓	✓	✓	
	- wound documentation and practice	✓	✓		✓	✓	✓	
<b>Nursing management in wound care</b>								
1	Integrate and apply advanced clinical knowledge in management of - acute surgical wounds, trauma wound, tubes & drains, pressure injury, venous ulcer, arterial ulcer, neuropathic foot ulcer, cancerous wound, fistula and sinus, burn and scald wounds	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
1	- atypical wounds and non-healing wounds (e.g. Epidermolysis Bullosa, vasculitis, necrotizing fasciitis)	✓	✓		✓	✓	✓	
	- incontinence associated dermatitis, skin tears, extravasation wounds	✓	✓		✓	✓	✓	
	- skin graft & flap and nursing care in reconstructive surgery	✓	✓		✓	✓	✓	
	- skin problems (e.g. Hidradenitis, Suppurativa, Stevens-Johnson Syndrome, Toxic Epidermal Necrolysis(TENS))	✓	✓		✓	✓	✓	
	- head & neck stomas and wounds	✓	✓		✓	✓	✓	
2	Integrate and apply advanced clinical knowledge in patient education regarding acute or chronic wounds and prevention of wound recurrence community resources	✓	✓	✓	✓	✓	✓	✓
3	Critically review of case study in management of acute and chronic wounds	✓	✓	✓	✓	✓	✓	
<b>Special nursing procedures</b>								
1.	Wound debridement methods	✓	✓		✓	✓	✓	
2	Negative pressure wound therapy	✓	✓		✓	✓	✓	
3	Wound care products	✓	✓		✓	✓	✓	
4	Ankle Brachial Pressure Index / Toe Brachial Pressure Index, monofilament and compression therapy	✓	✓		✓	✓	✓	
5	Infection Control in Wound management	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
<b>Other issues</b>								
1	Palliative wound care	✓	✓	✓	✓	✓	✓	
2	Acute and chronic wound pain management	✓	✓	✓	✓	✓	✓	
3	Role of Allied health care teams in burn and scald wound management	✓	✓		✓	✓	✓	
4	Role of Allied health care teams in pressure injury prevention and management	✓	✓		✓	✓	✓	
5	Adjunctive therapy in wound management (e.g. hyperbaric oxygen, growth factors, Light therapy)	✓	✓		✓	✓	✓	
<b>Unit IV Contenance Care</b>								
<b>Anatomy and physiology of voiding and defecation</b>								
1	Applied knowledge of							
	- anatomy of lower urinary tract, colon, rectum and anal canal	✓			✓		✓	
	- neurologic control of lower urinary tract	✓			✓		✓	
	- normal micturition, continence and defecation	✓			✓		✓	
	- age-related factors in voiding	✓			✓		✓	
	- pelvic floor and sphincter musculature	✓			✓		✓	
	- maturational changes in continence mechanism in infants, children and aged	✓			✓		✓	
<b>Pathophysiology of urinary incontinence and fecal incontinence</b>								
1	Applied knowledge of							
	- classification systems for voiding dysfunction	✓			✓		✓	
	- normal micturition	✓			✓		✓	
	- storage problem caused by bladder and sphincter abnormalities	✓			✓		✓	

		Domains						
		I	II	III	IV	V	VI	VII
1	- emptying problem caused by bladder and bladder outlet abnormalities	✓			✓		✓	
	- sphincter dysfunction	✓			✓		✓	
	- altered rectal compliance	✓			✓		✓	
	- neuropathies	✓			✓		✓	
	- skeletal and smooth-muscle myopathies	✓			✓		✓	
	- behavioral dysfunction	✓			✓		✓	
<b>Diagnostic and therapeutic interventions of intervention of voiding and defecation system</b>								
1	Integrate and apply advanced clinical knowledge in - assessment of factors causing incontinence	✓	✓		✓	✓	✓	
	- assessment of voiding diary and bowel function diary	✓	✓		✓	✓	✓	
	- pharmaco-therapeutic management of patients with special enuresis problems	✓	✓		✓	✓	✓	
	- studies of anorectal physiology	✓	✓		✓	✓	✓	
	- management of urinary tract infection	✓	✓		✓	✓	✓	
	- management of intractable incontinence	✓	✓		✓	✓	✓	
2	Apply advanced clinical knowledge with competence in - bowel training	✓	✓		✓	✓	✓	
	- management of voiding training	✓	✓		✓	✓	✓	
	- sphincter retraining	✓	✓		✓	✓	✓	



		Domains						
		I	II	III	IV	V	VI	VII
<b>Nursing interventions of continence care</b>								
<b>Nursing Assessment</b>								
1	Integrate and apply advanced clinical knowledge in urinary incontinence assessment - voiding diary, physical examination, laboratory studies and radiographic studies, urodynamic studies, psychosocial & economic concerns, Pads test, International Prostate Symptom Score (PSS), bladder scan	✓	✓		✓	✓	✓	
2	Integrate and apply advanced clinical knowledge in fecal incontinence assessment - bowel function diary, physical examination, laboratory & radiographic studies, studies of anorectal physiology, psychosocial & economic concerns, biofeedback	✓	✓		✓	✓	✓	
<b>Nursing management in continence care</b>								
1	Integrate and apply advanced clinical knowledge with competence in - counselling for patient with urinary & faecal incontinence	✓	✓		✓	✓	✓	
	- nursing management of urinary incontinence: functional incontinence, urge incontinence, stress incontinence, overflow incontinence	✓	✓		✓	✓	✓	
	- nursing management of bowel incontinence	✓	✓		✓	✓	✓	
	- bowel management and training for incontinence	✓	✓		✓	✓	✓	
	- sphincter retraining for incontinence	✓	✓		✓	✓	✓	
	- pelvic floor muscle exercise training	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
1	- nutrition management of constipation	✓	✓		✓	✓	✓	
	- patient education regarding continence care, use of continence care products, support group and community resources	✓	✓		✓	✓	✓	
	- nursing management of clean intermittent catheterization	✓	✓		✓	✓	✓	
<b>Special nursing procedures: Paediatric continence Care</b>								
1	Applied knowledge in etiology of Paediatric urinary and bowel incontinence problems	✓	✓		✓	✓	✓	
2	Integrate and apply advanced clinical knowledge in - types of incontinence problems in paediatric conditions	✓	✓		✓	✓	✓	
	- physical, spiritual, social, home environment assessment	✓	✓		✓	✓	✓	
	- paediatric patient and parents' education regarding bladder and / or bowel home training	✓	✓		✓	✓	✓	
	- paediatric patient or parents' education on use of continence care products	✓	✓		✓	✓	✓	
3	Integrate and apply advanced clinical knowledge with competence in - bowel management and training program	✓	✓		✓	✓	✓	
	- management of urotherapy training	✓	✓		✓	✓	✓	
<b>Special nursing procedures</b>								
1	Urodynamic study	✓	✓		✓	✓	✓	
2	Clean intermittent catheterization	✓	✓		✓	✓	✓	
3	Uroflow study and bladder scanning	✓	✓		✓	✓	✓	
4	Care of indwelling urethral catheter, suprapubic catheter and PCN	✓	✓		✓	✓	✓	
5	Anorectal manometry study	✓	✓		✓	✓	✓	

		Domains						
		I	II	III	IV	V	VI	VII
6	Retrograde colonic irrigation	✓	✓		✓	✓	✓	
7.	Biofeedback training	✓	✓		✓	✓	✓	
8.	Incontinence Care products	✓	✓		✓	✓	✓	
<b>Other issues</b>								
1	Patient support groups	✓	✓	✓	✓	✓	✓	
2	Community resources	✓	✓	✓	✓	✓	✓	

## 7. SUMMARY OF LEARNING HOURS

<b>Item</b>	<b>Specialty</b>	<b>Hours</b>
Unit I	Background & advanced roles in Enterostomal Therapy Nursing	7
Unit II	Stoma care	86
Unit III	Wound Care	74
Unit IV	Continence care	41
<b>Total</b>		<b>208</b>

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## 9. COMPETENCE FRAMEWORK FOR ADVANCED SURGICAL PRACTICE NURSES

### **Domain 1**     *Managing clients with complex health conditions*

1. Manages complete episode of care for complicated health cases and refers aspects of care to own and other professions.
2. Provides case management services to meet multiple client health care needs.
3. Plans and implements diagnostic strategies and therapeutic interventions to help clients with unstable and complex health care problems regain stability and restore health in collaboration with the client and multidisciplinary health care team.
4. Rapidly assesses client's unstable and complex health care problems through synthesis and prioritization of historically and immediately derived data.
5. Selects, may perform, and interprets common screening and diagnostic laboratory tests.
6. Diagnoses and manages acute and chronic diseases while attending to the illness experience.
7. Diagnoses unstable and complex health care problems utilizing collaboration and consultation with the multidisciplinary health care team as indicated by setting, specialty, and individual knowledge and experience.
8. Reviews medication regime and counsels clients concerning drug regimens, drug side effects, and interactions.
9. Assesses and adjusts plans for continuous management of client's health status by monitoring variation in wellness and illness.
10. Obtains specialist and referral care for clients while remaining the primary care provider.
11. Monitors client data base for follow-up, consultation, referral, and outcomes.

### **Domain 2**     *Therapeutic nurse-client relationship*

12. Demonstrates skills in promoting therapeutic interaction to effect clients' change in health behaviour.
13. Provides guidance and counseling regarding symptom management.
14. Provides emotional and informational support to clients and their families.
15. Uses human skills to enhance effectiveness of relationship.
16. Applies principles of self-efficacy/empowerment in promoting behaviour change.
17. Monitors and reflects own emotional response to client interaction and uses as data to further therapeutic interaction.
18. Facilitates staff to debrief on overwhelming emotion and grief associated with nurse-client relationship.
19. Communicates a sense of "being present" with the client.

**Domain 3      *Effective leadership and team work***

20. Coordinates human and environmental resources necessary to manage rapidly changing situations.
21. Leads hospital/community health education and promotional activities.
22. Empowers staff to assume increasing responsibilities for complicated client care with delegation, support and supervision.
23. Provides leadership in the interdisciplinary team through the development of collaborative practices or innovative partnerships.
24. Demonstrate effective leadership skills and be able to exert influence in a group.
25. Provides leadership in professional activities.

**Domain 4      *Quality assurance and improvement***

26. Leads the on-going process of setting and revising guidelines, protocols, standards and contingency plan.
27. Develops a tracking system within the practice to ensure that clients receive appropriate preventive services.
28. Monitors peers, self and delivery system through Quality Assurance, Total Quality management, as part of Continuous Quality Improvement.
29. Manages complaints and monitors malpractice.
30. Benchmarks various care programs with outcome measures and advise on clinical management or recommend review of intervention as indicated.
31. Initiates and implements quality improvement strategies and clinical audits in collaboration with various health disciplines.

**Domain 5      *Managing and negotiating innovative and effective approaches to care delivery***

32. Employs appropriate diagnostic and therapeutic interventions and regimens for specific client groups with attention to safety, cost, acceptability, efficacy and cost-effectiveness.
33. Suggests implementation of evidenced-based practice and facilitates changes.
34. Uses evidence and rationale to leverage senior and other on decision making.
35. Contributes to the development of overall client care delivery system and adopts appropriate nursing models in system to achieve optimal outcomes.
36. Re-engineers the work process.
37. Establishes detailed implementation schedules, resources planning, achievement indicators, and monitoring mechanism to support the service development plan.
38. Envisions change impacts. Be prepared to take reasonable risk to facilitate change and open to innovations.

**Domain 6      *Enhancing professional attributes of general and advanced practice***

39. Applies principles of epidemiology and demography in clinical practice.
40. Promotes and fosters ethical practice and advocacy for clients.
41. Applies/develops a theory-based conceptual framework to guide practice.
42. Attains self-advancement professionally through initiating and involving in evidence based practice and research activities.
43. Masters the application of advanced health care technology in specific area and shows knowledge on the evidence found.
44. Critically evaluates and applies research studies pertinent to client care

- management and outcomes.
45. Applies/conducts research studies pertinent to primary care and/or specialty practice management.
  46. Demonstrates expertise on area(s) of nursing. Be a resource person for referrals in this area.
  47. Interpretes own professional strengths, role, and scope of ability to peers, clients and colleagues.
  48. Acts as a role model and sets exemplary standard of professional behaviours.
  49. Supports socialization, education, and training of novice practitioners by serving as a preceptor, role model and mentor.
  50. Motivates and supports staff to be self-developing and achieve higher professional goals.
  51. Interprets and markets the advanced practising nurse role to the public and other health care professionals.
  52. Participates in legislative and policy-making activities which influence advanced nursing practice and health services.

**Domain 7      *Enhancing personal attributes***

53. Analyzes situation critically and draws relationship among issues.
54. Maintains active membership in professional organization.