7161 Young Street, UNIT 426, Thornhill, ON L3T0C8, CANADA- 6472141874 drbaharmahjoubi@gmail.com

<u>Summary:</u> Professor of Colorectal Surgery

Director, Colorectal Surgery Fellowship Program Founding Chair, Colorectal Research Center

Department of Colorectal Surgery Rasool Akram Hospital

Iran University of Medical Sciences- Tehran-Iran

Business Address: 8th Floor- Rasool Akram Hospital, Colorectal Research Center, Niayesh Ave.

Sattarkhan St, Tehran, Iran - PO. Box 1445613131

+98 (21) 66509056

EDUCATION

	Fellowship	Iran University of Medical Sciences, Fellowship in Colorectal Surgery	2006 - 2008
	Post-Graduate N.S.W Univers	Pelvic Floor Disorders and Incontinence Clinic, Sydney ity. Prince of Wales Hospital- Dr. P Douglas	2000 - 2001
	Post-Graduate N.S.W Univers	Colon and Rectal Surgery; Sydney N.S.W University, Sydney ity. Prince of Wales Hospital- Professor Newstead	2000 - 2001
	Post-Graduate Colorectal Divi	Colon and Rectal Surgery; University of Sydney, Concord Hospital, sion, Professor I Bokey	2000 - 2001
	Residency	Iran University of Medical Sciences, Residency in General Surgery	1991 - 1994
	Medical	Iran University of Medical Sciences, Tehran-Iran; MD	1985 - 1991
CERT	TIFICATION		
	Sacral Nerve S	timulation- Belgium	2017
	Trans-anal End Knittlingen, Ge	oscopic Microsurgery (TEM), Prima Vista-Richard Wolf Academy ermany	2017
	Intrarectal and Transperineal Sonography, Rome, Italy Advanced Laparoscopic Colorectal Course Certificate – Castelfranco- Veneto, Italy Advanced laparoscopic colorectal surgery by Dr. Ghavami-Representative of the World Association of Laparoscopic Surgeons		2016
			2011
			2009
		Board Certificate in General Surgery, Ministry of Health and tion Tehran -Iran	2008
		d Certificate in General Surgery, Ministry of Health and tion Tehran -Iran	1994

LICENSURE

Permanent Medical Registration License, Ministry of Health and 1996 Medical Education, Tehran, Iran **AWARDS AND HONORS** Outstanding teacher of the Year 2007 and 2013 Selected by the IUMS University Outstanding Teacher of the Year in 2001,2003, 2004, 1010 selected by residents Best ostomate friend In International Ostomy Society 2001 ACADEMIC, PROFESSIONAL, AND RESEARCH APPOINTMENTS Academic Appointments Professor of Colorectal Surgery- IUMS 2008-Current Associate Professor of Colorectal Surgery- IUMS 2001-2008 Assistant Professor of General & Colorectal Surgery - IUMS 1995-2000 Curriculum Development **Board Member,** Tissue engineering and applied molecular cellular science 2019 Committee Chair, Ostomy, Wound and Incontinence Nursing Education 2014 Iran Ministry of Health and Medical Education **Board Member**, Pelvic Floor Disorders Curriculum Development (Ph.D. Program) 2013 Iran Ministry of Health and Medical Education **Board Member**, Colorectal Surgery Curriculum Development (Fellowship Program) 2008 Iran Ministry of Health and Medical Education **Board Member**, General Surgery Curriculum Development (Residency Program) 2007 Iran Ministry of Health and Medical Education **Board Member**, General Surgery Curriculum Development (Internship Program) 2007 Iran Ministry of Health and Medical Education **Board Member**, General Surgery Curriculum Development (Externship Program) 2007 Iran Ministry of Health and Medical Education Referee Positions for Peer-Review Journals Razi Journal of Medical Sciences

Red Crescent Medical journal Archive of Surgery

Professional Appointments

Attending Physician- Atieh General Hospital	2007-present
Attending Physician- Rasool Akram University Hospital	1995-present

Administrative Appointments

Founding President-Colorectal Research Center, Iran University of Medical Science	2014-present
Consultant, Ostomy, Wound and Incontinence Nursing Education	2014-present
Founding Director- Colorectal Surgery Fellowship Program at the Iran, University	2008-present
Director, Pelvic Floor Rehabilitation Master and PHD program	2013-2016
President, Iranian Continence Society	2013-2016
Founding President- Iranian Ostomy Society	2001-2010

PROFESSIONAL ASSOCIATIONS

International Continence Society	2013-current
Iranian Continence Society	2010-current
University of Colorectal Surgeons	2004-current
Iranian Colorectal Surgeons	2001-current
Iranian College of Surgeons	1995-current
American Society of Colorectal Surgeon	2007-2010
Iranian Ostomy Society	2001-2015

PRACTICE ACTIVITEIS

Attending Physician	Atieh General Hospital	4 clinic session per month with a patient load of 10-15 per session	2010-2018
Attending Consultant- Colorectal Surgery	Chief of Colorectal surgery at Rasool Akram Hospital - Department of Surgery-	Daily morning sessions with clinical and educational reviews. Patient load: 50-60 per week.	2001-current
Attending Physician	General surgery- Rasool Akram	Patient load: 60-80 per	1994-2001

CLINICAL INNOVATIONS

Project 1- Stem cell for massive anal sphincter gaps

Hospital

In patients with massive anal sphincter gaps as a result of complicated vaginal delivery, rape and so on; we implemented stem cell in regenerating muscular tissue to fill out the gap and preserve the satisfactory anal sphincter function. We conducted the processes of stem cell derivation from allograft and autograft tissues and implemented in the defected tissue. This created a series of innovative procedures in pelvic floor reconstruction as well.(Sarveazad A, Newstead GL, Mirzaei R, Joghataei MT, Bakhtiari M, Babahajian A, **Mahjoubi B**. A new method for treating fecal incontinence by implanting stem cells derived from human adipose tissue: preliminary findings of a randomized double-blind clinical trial. Stem cell research & therapy. 2017; 8(1):40. [pubmed])

week

Projects 2- Animal modeling in pelvic floor reconstruction anal canal injuries

We incorporated the experimental models in massive anal sphincter gaps in animals and implemented stem cell with or without scaffold in regenerating muscular tissue to fill out the gap and preserve the satisfactory anal sphincter function. (Under review publication)

Project 3- Scaffold and regenerative construction for fecal incontinence

In patients with severe fecal incontinence and those with massive anal sphincter gaps, we created a model on

using Scaffold and stem cell, which generated invitro and implemented in target tissue to reserve the sphincter function and regenerate the anatomy. This application was conducted among patients with high fistula as seen in cases with crohn's disease.

Project 4- Electrical bowel irrigation pump

In patients with chronic constipation, colon inertia and incontinence, and in those with spinal cord injury, multiple sclerosis and bed-ridden patients in rehibition centers, we introduced an electrical bowel irrigation pump. The pump is creating a forward flow, hydro-pneumostatic pressure and balancing the lack of peristalsis and generates a bowel irrigation. We initiated this innovative device by using an appendicostomy catheter, and more recently we introduced it through a PEG catheter.

TEACHING EXPERIENCES/ RESPONSIBILITIES

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs):

IUMS Fellowship Program in Colorectal Surgery- Program Director	18 months postgraduate position focusing on the clinical, administrative, research, teaching and innovative applications in Colorectal surgery	2008-2019
IUMS General Surgery Residents Training- Faculty mentor	Attending supervisor at a program with 15 surgical residents from PGY-1-4, consisting of didactics, surgical skills, hands-on training, and administrative topics.	2001-2019
Surgical Resident Rotations& Elective in Colorectal Surgery- Faculty	Given to 56 PGY3-4 residents in AY 2008-19, (1-3 months) consisting of didactics, surgical skills, colorectal	2008-2019

Training Fellows: (Colorectal Surgery Fellowship Program)

2008-present

18-months postgraduate position focusing on the clinical, administrative, research,

surgical research initiatives.

Provided to 22 Board Certified General Surgeons who proceeded with opening programs in other institutions throughout the country.

Clinical Supervisory and Training Responsibilities:

Supervisor

IUMS Surgery	IUMS General Surgery Residency: Core	2001- 2019
Residency Program	Education Faculty, Faculty Mentor,	
PGY I-IV	Residency Interviewer	
(20 Residents- 1000		
hour/year)		
IUMS Surgery Clerkship Program MSIII-IV	IUMS surgery Clerkship Program: Core Education Faculty, Faculty Mentor for medical students- <i>Rotation in Surgery is</i> required for all PGY-3-4 students	2001- 2019

[,] teaching and innovative applications in colorectal surgery.

PUBLICATIONS

PEER-REVIEWED ARTICLES

- 1. Motalebzadeh J, Shabani S, Rezayati S, Shakournia N, Mirzaei R, **Mahjoubi B**, Hoseini K, Mahjoubi F. Prognostic Value of FBXO39 and ETS-1 but not BMI-1 in Iranian Colorectal Cancer Patients Asian Pacific journal of cancer prevention: APJCP. 2018; 19(5):1357-1362.
- 1. Tavakoli Koudehi A, **Mahjoubi B**, Mirzaei R, Shabani S, Mahjoubi F. AKAP4, SPAG9 and NY-ESO-1 in Iranian Colorectal Cancer Patients as Probable Diagnostic and Prognostic Biomarkers Asian Pacific journal of cancer prevention: APJCP. 2018; 19(2):463-469. [pubmed]
- 2. Ghorbanoghli Z, Jabari C, Sweidan W, Hammoudeh W, Cortas G, Sharara AI, Abedrabbo A, Hourani I, **Mahjoubi B**, Majidzadeh K, Tözün N, Ziada-Bouchaar H, Hamoudi W, Diab O, Khorshid HRK, Lynch H, Vasen H. Erratum to: A new hereditary colorectal cancer network in the Middle East and eastern Mediterranean countries to improve care for high-risk families. Familial cancer. 2018; 17(2):213. [pubmed]
- 3. Ghorbanoghli Z, Jabari C, Sweidan W, Hammoudeh W, Cortas G, Sharara AI, Abedrabbo A, Hourani I, **Mahjoubi B**, Majidzadeh K, Tözün N, Ziada-Bouchaar H, Hamoudi W, Diab O, Khorshid HRK, Lynch H, Vasen H. A new hereditary colorectal cancer network in the Middle East and eastern Mediterranean countries to improve care for high-risk families. Familial cancer. 2018; 17(2):209-212. [pubmed]
- 4. Sarveazad A, Newstead GL, Mirzaei R, Joghataei MT, Bakhtiari M, Babahajian A, **Mahjoubi B**. A new method for treating fecal incontinence by implanting stem cells derived from human adipose tissue: preliminary findings of a randomized double-blind clinical trial. Stem cell research & therapy. 2017; 8(1):40. [pubmed]
- 5. Mirzaei R, **Mahjoubi B**, Negahi AR. Acute Lower Gastrointestinal Bleeding Caused by Congenital Portosystemic Shunt: A Case Report and Review of the Literature. Iranian Journal of Gastroenterology & Hepatology (GOVARESH). Spring2017, Vol. 22 Issue 1, p68-72. 5p
- 6. Mirzaei R, **Mahjoobi B**, Kordestani SS, NayebHabib F. ChitoHem hemostatic powder compared with electrocautery anorectal surgery: A randomized controlled trial. J Integr Cardiol, 2016. 3(2): 1-3
- 7. Mirzaei R, **Mahjoubi B**, Kashanizadeh A, Omrani Z. ALIGNMENT OF ANAL SPHINCTERS IN HIGH FISTULA: A NOVEL SURGICAL TECHNIQUE. International journal of latest research in science and technology vol 5, 2016: page (56-58)
- 8. MIRZAEI R, **MAHJOUBI B**, MOHAMMADIPOUR M, AZIZI R, KADKHODAEI H. Effect of hysterectomy on Pelvic Floor Disorders. PELVIPERINEOLOGY. 2016 Sep:94
- 9. Mirzaei R, **Mahjoubi B**, Mousavi H. APPENDICOSTOMY ANTEGRADE COLONIC IRRIGATION BY ELECTROMECHANICAL PUMP (RAPID COLON IRRIGATION SET): A NOVEL METHOD AS FECAL INCONTINENCE MANAGEMENT. InNEUROUROLOGY AND URODYNAMICS 2015 Aug 1 (Vol. 34, pp. S126-S127). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY-BLACKWELL
- 10. Soleymanzadeh P, Mirzaei R, **Mahjoubi B**, Mohammadipour M, Sharifi D. Tamoxifen for the prevention of postoperative intra-abdominal adhesions. European Surgery. 2015 Apr 1;47(2):65-9
- 11. Mirzaei R, **Mahjoubi B**, Alvandipoor M, Karami MY. Late presentation of anal canal duplication in adults: a series of four rare cases. Annals of coloproctology. 2015; 31(1):34-6. [pubmed]

- 12. Nikjooy A, Maroufi N, Ebrahimi Takamjani I, Hadizdeh Kharazi H, **Mahjoubi B**, Azizi R, Haghani H. MR defecography: a diagnostic test for the evaluation of pelvic floor motion in patients with dyssynergic defecation after biofeedback therapy. Medical journal of the Islamic Republic of Iran. 2015; 29:188. [pubmed]
- 13. Ahadi T, Madjlesi F, **Mahjoubi B**, Mirzaei R, Forogh B, Daliri SS, Derakhshandeh SM, Behbahani RB, Raissi GR. The effect of biofeedback therapy on dyssynergic constipation in patients with or without Irritable Bowel Syndrome. Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences. 2014; 19(10):950-5. [pubmed]
- 14. Mirzaei R, **Mahjoubi B**, Hosseini M, Zare-Mirzaie A, Abdollahi A. Evaluating the incidence rate of positive cytology in colorectal cancers and its relationship with local progress of the tumor. surgery. 2014;1:2
- 15. Shabani S, Samanian S, Mirzaei R, **Mahjoubi B**, Mahjoubi F. Correlation among MDR1, MRP and hTERT Genes Expression Level and Clinical Response in Colorectal Cancer Patients. Journal of Molecular Biomarkers & Diagnosis. 2014 Jan 1;5(5):1.
- 16. Shabani S, Mahjoubi F, **Mahjoubi B**, Mirzaee R. Investigation of hTERT Expression Level and its Relation with Clinicopathological Features and Resistance to Chemotherapy in Colorectal Cancer Patients. Journal of Molecular Biomarkers & Diagnosis. 2014 Jan 1;5(3):1.
- 17. Alimohammadian M, Ahmadi B, Janani L, **Mahjoubi B**. Suffering in silence: a community-based study of fecal incontinence in women. International journal of colorectal disease. 2014; 29(3):401-6. [pubmed]
- 18. Mousavie SH, Mirzaei R, **Mahjoubi B**, Azizi R. Successful management of multiple small bowel perforations due to polyarteritis nodosa. Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences. 2014; 19(3):276-8. [pubmed]
- 19. Molania R, Mahjoubi F, Mirzaei R, Khatami SR, **Mahjoubi B**. A Panel of Cancer Testis Antigens and Clinical Risk Factors to Predict Metastasis in Colorectal Cancer. Journal of biomarkers. 2014; 2014:272683. [pubmed]
- 20. Nojomi M, Mostafavian Z, Bijari B, **Mahjubi B**. 333–Validation of Iranian version of FI-QOL scale in patients with fecal incontinence. European Psychiatry. 2013 Jan 1;28:1.
- 21. Azizi R, Alvandipour M, Shoar S, **Mahjoubi B**. Combination of pseudocontinent perineal colostomy and appendicostomy: a new approach in the treatment of low rectal cancer. Surgical innovation. 2013; 20(5):471-7. [pubmed]
- 22. **Mahjoubi B**, Mirzaei R, Azizi R, Jafarinia M, Zahedi-Shoolami L. A cross-sectional survey of quality of life in colostomates: a report from Iran. Health and quality of life outcomes. 2012; 10:136. [pubmed]
- 23. Mirzaei R, **Mahjoubi B**, Kadivar M, Azizi R, Zahedi-Shoolami L. Anal sphincter injuries during hemorrhoidectomy: a multi center study. Acta medica Iranica. 2012; 50(9):632-4. [pubmed]
- 24. Samanian S, Mahjoubi F, **Mahjoubi B**, Mirzaee R, Azizi R. MDR1 gene polymorphisms: possible association with its expression and clinicopathology characteristics in colorectal cancer patients. Asian Pac J Cancer Prev. 2011 Dec;12(11):3141-5.
- 25. Azizi R, **Mahjoubi B**, Shayanfar N, Anaraki F, Zahedi-Shoolami L. Malignant fibrous histiocytoma of rectum: Report of a case. International journal of surgery case reports. 2011; 2(6):111-3. [pubmed]

- 26. Samanian S, Mahjoubi F, **Mahjoubi B**, Mirzaee R, Azizi R. MDR1 gene polymorphisms: possible association with its expression and clinicopathology characteristics in colorectal cancer patients. Asian Pacific journal of cancer prevention: APJCP. 2011; 12(11):3141-5. [pubmed]
- 27. Nojomi M, **Mahjubi B**, Mostafavian Z, Bijari B. Validation of Iranian version of FI-QOL scale in patients with fecal incontinence. Applied Research in Quality of Life. 2010 Sep 1;5(3):233-40.
- 28. Ahmadi B, Alimohammadian M, Golestan B, **Mahjoubi B**, Janani L, Mirzaei R. The hidden epidemic of urinary incontinence in women: a population-based study with emphasis on preventive strategies. International urogynecology journal. 2010; 21(4):453-9. [pubmed]
- 29. **Mahjoubi B**, Kiani Goodarzi K, Mohammad-Sadeghi H. Quality of life in stoma patients: appropriate and inappropriate stoma sites. World journal of surgery. 2010; 34(1):147-52. [pubmed]
- 30. **Mahjoubi B**, Mohammadsadeghi H, Mohammadipour M, Mirzaei R, Moini R. Evaluation of psychiatric illness in Iranian stoma patients. Journal of psychosomatic research. 2009; 66(3):249-53. [pubmed]
- 31. **Mahjoubi B**, Haizadch Kharazi H, Mirzaei R, Moghimi A, Changizi A. Diagnostic accuracy of body coil MRI in describing the characteristics of perianal fistulas. Colorectal disease: the official journal of the Association of Coloproctology of Great Britain and Ireland. 2006; 8(3):202-7. [pubmed]
- 32. **Mahjoubi B**, Moghimi A, Mirzaei R, Bijari A. Evaluation of the end colostomy complications and the risk factors influencing them in Iranian patients. Colorectal disease: the official journal of the Association of Coloproctology of Great Britain and Ireland. 2005; 7(6):582-7. [pubmed]
- 33. **Mahjoubi B**, Vafaei M, Alimohammadi M, Moghimi A. Evaluation of the Consequences and Results of Primary Sphincter's Repair Technique in Patients with High Perianal Fistula. Razi Journal of Medical Sciences. 2005 Sep 15;12(46):373-80
- 34. Bijari A, **Mahjoubi B**, Vafaei M, Derakhshani S, Moghimi A, Salem R. Determination the Frequency of Stoma Complications in 330 Patients with Colostomy. Colorectal Disease Supplement. 2004 Sep 1;6:60
- 35. **Mahjoubi B,** Darabi MR, Mirzai R, Moghimi A, Bijari A. Efficacy of Homeopathy in Treatment of Refractory Chronic Constipation Atonia. Colorectal Disease Supplement. 2004 Sep 1;6:34.
- 36. **Mahjoubi, B.**, Derakhshani, S., Vafaei, M., Ravari, D. and Mirzaii, R., 2004, June. Primary repairing anal sphincter method: A new method with low risk of complications in surgery of fistula with sphincteric involvement. In DISEASES OF THE COLON & RECTUM (Vol. 47, No. 6, pp. 1043-1043). 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA: LIPPINCOTT WILLIAMS & WILKINS
- 37. **Mahjoubi, B.**, Darabi, M.R., Mirzai, R., Bijari, A. and Moghimi, A., 2004, June. New horizon: Homeopathic treatment of refractory IBS. In DISEASES OF THE COLON & RECTUM (Vol. 47, No. 6, pp. 1043-1043). 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA: LIPPINCOTT WILLIAMS & WILKINS
- 38. **Mahjoubi B**, Derakhshani S, Vafaei, M., Ravari, D. and Mirzaii, R., 2004, June. Primary repairing anal sphincter method: A new method with low risk of complications in surgery of fistula with sphincteric involvement. In DISEASES OF THE COLON & RECTUM (Vol. 47, No. 6, pp. 1043-1043). 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA: LIPPINCOTT WILLIAMS & WILKINS.

- 39. **Mahjoubi B**, Ravari D, Vafaei M, Shokoohi H, Azarakhsh N. The New Procedure for Reconstruction of Extensive& Circumferential Hemorrhoids (Four Flap) *Journal of Iran University of Medical Sciences*, Vol.8, No24, Summer 2001, pp: 200-206
- 40. **Mahjoubi B**, Ravari D, Vafaei M, Shokoohi H. The use of glyceryl trinitrate topical ointment in the treatment of anal fissure; *Gowaresh Journal* Journal of Iranian Society of Gastroeneterology and Hepatology, Vol 4, No23&24, March –June 2000, pp:148-151

BOOKS & CHAPTERS

- Mahjoubi B. Pelvic Floor Disorders, (In English) ISBN:964-93011-3-5, 1st Edition, 2007 Supervised by Dr Newstead. NSW University. Australia
- 2. **Mahjoubi B**. Colostomy Care, *Ostoma-therapist and Patient Education 1st edition*, Eshtiagh Publication Co. Tehran, Iran, ISBN: 964-72345-66-4 (In Farsi and English)

PRESENTATIONS

International Conferences

- 1. Stem cell therapy with human adipose derived stem cells in patient with fecal incontinence, international congress of regenerative medicine, Iran University of Medical Sciences, Tehran, Iran.2017.
- 2. Sonographic characteristics of patients with anal intercourse, international congress of gastroenterology and hepatology, Toronto, Canada, September 2016.
- 3. Effect of the homeopathy treatment in constipation, Rome university, 2014.
- 4. High diagnostic power of inspection and proctoscopy for detection of cryptitis before surgery. First scientific and annual general meeting of the European Society of Coloproctology.13th-16th September 2006, Lisbon, Portugal.
- 5. Evaluation of psychiatric illness in Iranian stoma patients. First scientific and annual general meeting of the European society of coloproctology.13th-16th September 2006, Lisbon, Portugal.
- Prevalence of the mesorectal excision technique in rectal cancer surgery in four referral hospitals. First scientific and annual general meeting of the European society of coloproctology.13-16 September 2006, Lisbon, Portugal.
- 7. Psychiatric illness in stoma patients. Leiden international medical student congress. 7th-9th April 2005 Leiden, Netherlands.
- 8. Efficacy of homeopathy in treatment of refractory chronic constipation atonia. European Association of Coloproctology, 5th scientific and annual meeting. Geneva Switzerland 16th-18th September 2004.

- 9. Primary repair of anal sphincter. A new method with low risk of complication in surgery for fistula with sphincteric involvement. European Association of Coloproctology, 5th scientific and annual meeting. Geneva Switzerland 16th-18th September 2004.
- 10. Determination the frequency of stoma complications in 330 patients with colostomy. European Association of Coloproctology, 5th scientific and annual meeting. Geneva Switzerland 16th-18th September 2004.

ONGOING RESEARCH PROJECTS

Stem Cell Research

- 1. Collecting fresh adipose tissue and optimization of stem cell isolation.
- 2. Creating different scaffold and compatibility assay with stem cells for cell seeding.
- 3. Clinical trial in fecal incontinence due to external anal sphincter injury and Stem cell therapy.
- 4. Design and apply animal modeling for anal fistula, pelvic floor defect, sphincter defect.
- 5. Animal experimental surgery for scaffold implantation, and cell injection
- 6. Animal experimental study for evaluation of animal with cell injection an scaffold transplantation (sonography, EMG, manometry)

Colorectal Cancer Databank

7. Collecting fresh tumor tissue, peripheral blood, DNA, RNA and cDNA bank for colorectal cancer.

COMMUNITY SERVICE

Founding Director of Iranian Ostomy Society

Iranian Ostomy Society is a nonprofit organization that supports, empowers, and advocates for people who have had or who will have ostomy or continent diversion surgery throughout the country. Starting in 2001 and with support of eminent colorectal surgeons, we support about 2000 people with ostomy in 2018.

Director and consultant for training nurses in care of Ostomy, Wound and Incontinence

SPECIAL INTERESTS

- Regenerative surgery for treatment of fecal incontinence, by stem cell and scaffold
- Animal modeling (pelvic floor anal canal injury)
- New technology in pelvic floor reconstruction
- Minimal invasive surgery (abdominal and trans-anal)
- Intrarectal and trans perineal Sonography
- Electro physiologic study of anal canal
- Sacral nerve stimulant