

CV : DR. DEVINDRAN MANOHARAN

Name: Devindran A/L Manoharan
Age: 41 years
Sex: Male
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MMC Reg: Num: 47196
Date of Birth: 10th September 1980
Place of Birth: Penang, Malaysia
Marital Status: Single
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Penang
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Written Language: English
Bahasa Malaysia
Spoken Language: English
Bahasa Malaysia
Tamil
Hokkien

Education:

1. Primary Education

School: Sekolah Kebangsaan Sungai Gelugor, Pulau Pinang.

Qualification: Ujian Penilaian Sekolah Rendah (UPSR) 1990

2. Secondary Education

School: Sekolah Menengah Penang Free School, Pulau Pinang.

Qualification: Penilaian Menengah Rendah (PMR) 1995

Sijil Pelajaran Malaysia (SPM) 1997

Achievements: Member of the School Editorial Board
Member of the Board of School Archive
Member of the Board of Student Librarians
Member of the General Knowledge Club, Chess Club,
Electronic Club
Patrol Leader of The Red Crescent Society
Penang Free School Cricket Team
School House Rugby, Cricket, Football, Tug of War and
Hockey Team

3. Tertiary Education

a. College: Taylors College Pre-university 1999

Achievements: Graduated with First class Honors, Deans List

b. University: Melaka – Manipal Medical College (MMMC)

Qualification: MBBS (MMMC) – Passes in First Class 2004

Achievements: **Datuk K. Pathmanathan Gold Medal Prize for Best Student in Medicine 2004**

Social Secretary of the MMMC Student Association (MMCSA) 2003/2004

Member of The Kasturba Medical College Malaysian Student Association Manipal India 2000-2002

4. Post Graduate Education

a. Qualification: Member of Royal College of Surgeons Ireland (MRCS) 2008

b. Qualification Master of Surgery University Malaya 2010-2014

Achievement **S.M Al Hady Malaysian College of Surgery Gold Medal for best overall student in Malaysian Conjoint Board of Surgery Final Examinations (UM, UKM, USM, UPM)**

c. Qualification Fellowship Royal College of Surgeons Glasgow (UROL) and Malaysian Board of Urology 2018

Achievement **Best Overall Student and Gold Medallist**

Work History and Ministry of Health Service Information:

- (i). Date of employment in Ministry of Health Malaysia: 1st April 2005 (Grade UD 41)
- (ii). Confirmation in Service: 29th September 2006
- (iii). Full Registration in Malaysian Medical Council no: 47196
- (iv). Current Grade: UD 56 since 1st July 2018

Working Experience:

No.	Year	Place	Position
1.	Mac 2005 – February 2006	Penang General Hospital (House Officer and Internship)	House Officer in: i. Medicine ii. Obstetric & Gynecology iii. General Surgery
2.	February 2006- March 2007	Penang General Hospital	Medical Officer in Urology Trained under Mr. Git Kah Ann and Mr. Kalaiselvam
3.	March 2007- 2010	Penang General Hospital	Medical Officer in General Surgery Trained under Mr. Manjit Singh, Ms. Susela, Mr. Tan Wee Jin
4.	June 2010-2014	University Malaya	Medical Officer in General Surgery Trained in all surgical subspecialities available in University Hospital

			Kuala Lumpur, Hospital Sultanah Bahiyah and Penang GH
5.	July 2014 – December 2015	Hospital Sultanah Aminah, Johor Bahru Department of Surgery	General Surgeon Trained with Mr. Andrew Gunn, Mr. Rizal Imran Alwin and Madam Tuan Nur
6.	January 2016- December 2017	Hospital Sultanah Aminah Johor Bahru Department of Urology	Surgeon doing subspeciality in urology Trained with Mr. Shamsudin Omar
7.	January 2017 till February 2018	Hospital Pulau Pinang Department of Urology	Surgeon doing subspeciality in urology Trained with Mr. Teoh Boon Wei and Mr. Khoo Say Chuan
8.	March 2018 till March 2019	Hospital Selayang and Hospital Kuala Lumpur Department of urology	Surgeon doing subspeciality in urology Trained with Datuk Rohan Malek, Ms. Susan Woo, Mr. Murali Sundram
9.	March 2019 till February 2020	Queen Elizabeth Hospital, Department of Urology, Adelaide South Australia	Clinical fellow in Urology Trained by Mr. Mark Llyod, Mr. Dan Spernat and Mr. Rick Catterwell
10.	February 2020 till November 2022	Hospital Pulau Pinang, Department of Urology	Consultant Urologist
11.	November 2022 till now	Hospital Pulau Pinang, Department of Urology	Head of Department of Urology
12.	November 2022 till now	Department of Health Penang	Penang State Urologist

Clinical Experience

More than 3 years of experience in urology at specialist level, One year as an international fellow and junior consultant. I am currently a serving as a Consultant urologist in Penang General Hospital since February 2020.

Urology Surgery

I am proficient in managing urology patients on the ward, intensive care, and outpatient clinic. This includes the handling of emergency resuscitation, monitoring critically ill patients, preparing patients for surgery and post-operative patient's care.

I am experienced in the insertion of central venous cannula from various routes, peripheral lines, arterial lines, chest drains, peritoneal dialysis catheter insertion or supra pubic bladder catheterization.

I am proficient in numerous outpatient urology procedures such as flexible cystoscopies both diagnostic and therapeutic having performed hundreds over the course of my career. I am proficient in performing diagnostic transrectal ultrasounds for biopsies and have recently adopted new technologies such as transperineally ultrasound guided biopsies and fusion biopsies as well in order to improve the outcomes for my patients so they may receive better care.

I have been well trained in endourology and have a keen interest in it as well. I am proficient in performing Transurethral surgeries for adults and also pediatric cases. I regularly perform Transurethral Bladder Resection of Tumors and also Transurethral Resection of the Prostate and am comfortable with new techniques such as Holmium Laser Enucleation of the prostate and Transurethral Enucleation of large prostates.

I am also competent in ureteroscopic surgeries for ureteric tumors and urolithiasis, with both rigid ureteroscopies and flexible ureteroscopies for retrograde intrarenal surgery. I am proficient in both supine and prone Percutaneous Nephrolithotomy for large renal and staghorn calculi.

As I have undergone a fellowship in clinical oncology, I have a keen interest in uro-oncology and am proficient in Open and laparoscopic nephrectomies. I am also proficient in performing radical cystectomies and prostatectomies. I have significant exposure to robotic surgery during my training in Adelaide. I am currently keen to look for opportunities to further train myself as a robotic surgeon.

I also have a keen interest in andrology and men's sexual health and have pioneered new technologies in Penang GH with a recently concluded study with shock wave treatment for erectile dysfunction, another new technology that I gained experience while I was in Australia.

I also am competent with Urodynamics and female urology dysfunction, with intravesical Botox therapy and other procedures. I have a keen interest in Pediatrics urology and have started the first ever combined Pediatric Urology Clinic in the

northern region as well as performing complex reconstructive surgeries for pediatric cases.

I am actively involved in offering my consultation on all referral cases reviewed either as elective or as emergency basis. This includes cases seen in clinic, in ward or ICU. Penang GH is a northern rereferral center covering Penang, Kedah and Perak. And I am the on-call consultant for two weeks in a month for our urology center.

I am regularly guiding my junior trainees in mortality meeting, reviewing articles in journal club and cases discussion. I am leading them in clinical trials and also supervising their progress in training.

I am also keen in learning new technologies and adapting and improving current practices in surgery to continue improving the outcomes for my patients.

General Surgery

Prior to my training in urology, I have been gazzetted as a general surgeon by Malaysia Ministry of Health.

I have 7 years of diversified experiences in general surgery. This covers a range of sub-specialty such as an upper gastrointestinal surgery, hepatobiliary, colorectal, pediatrics, breast and endocrine, urology, plastic reconstructive and neurosurgery I am trained to manage most of the cases either being an outpatient basis or on ward. I have also conducted elective surgery for cases within these disciplines, namely thyroid resection, breast surgery and upper GI surgery. Besides that, procedures like open or laparoscopic cholecystectomy, bowel resection or anastomosis, hernia repair and intraperitoneal tumor surgery are also included.

During my posting with those units, I have also carried out endoscopic procedures for diagnostic and therapeutic purposes. This covers upper and lower gastrointestinal scopes.

I am also competent in performing emergency laparotomy, visceral or bowel resection, splenectomy, liver packing, perforated gastric ulcer surgery, bowel repair or resection and handling gastrointestinal bleeding.

My experience as a General Surgeon has helped me adapt and improve my clinical practice as a urologist. The surgical skills and sound surgical principles that I have learnt from many surgical giants throughout my career have helped me develop myself as a urologist and continues to serve me well as I embark on performing complex and technical surgeries.

Clinical and Procedural skills

1. Competent in local office procedures:
 - Flexible Cystoscopy
 - Transrectal Ultrasound and biopsy
 - Cystometrograms and Urodynamics
 - Suprapubic Catheter Insertion
 - Difficult catheter insertions
 - Circumcisions
 - Excision biopsies
 - Insertion of Mamocath Prosthesis
 - Insertion of Ureteric Stents
 - Excision of lumps
2. Competent in ward related procedures:
 - Central Line insertion
 - Endotracheal Intubation
 - Chest Tube and Pleural Tap
 - Peritoneal Dialysis Insertion and Removal
3. Competent in Endourology:
 - Cystoscopy, Rigid and Flexible
 - Ureteroscopy, Rigid and Flexible
 - Percutaneous Nephrolithotomy, Supine and Prone
 - Transurethral Resection of Prostate and Bladder Tumour, HOLEP and TUERP
 - Optical Urethrotomy
4. Competent in performing open and laparoscopic surgical procedures, reconstructive urology, transplant and other advanced urological surgeries

Academic and Teaching

I have always been academically inclined and have regularly achieved great results as a student both as an undergraduate and in my postgraduate career.

I was awarded the inaugural Dato K Pathmanathan Gold Medal as the best student in Medicine from Melaka Manipal Medical college in 2004. I then repeated this feat in my Master of Surgery Examination and was awarded the SM S.M Al Hady Malaysian College of Surgery Gold Medal for best overall student in Malaysian Conjoint Board of Surgery Final Examinations (UM, UKM, USM, UPM). When I sat for my FRCS urology I was awarded the Gold Medal and achieved the feat of being the first Malaysian to be awarded the medal since the exam was opened to Singaporeans.

I regularly teach undergraduate students from local universities like Penang Medical College, Monash University (Malaysia campus) Johor Baharu Malaysia and also the university of Adelaide. I am a certified lecturer registered with the ministry of higher education Malaysia. I am also supervising postgraduate student from University of Malaya, Kuala Lumpur, University Kebangsaan Malaysia on clinical aspect of managing patients mainly during their attachment in urology. I am also regularly involved in the training of urology candidates both from the direct programme and post masters and have successfully organized an advance urology course in urolithiasis in Penang. In my position as a consultant urologist I actively participate in the organization of Advance Urology Courses throughout Malaysia.

I guide the medical students throughout their attachment in the hospital on bedside manners; supervise them in good history taking, performing physical examination, monitoring clinical studies and conduct statistical analysis. Most of the master students and Urology trainees will be involved in either producing a case report or a clinical trial during their attachment with me in the department.

Academic Activities:

No.	Date	Activity	Position
1.	February 2009 – till now	Department of Surgery, Penang General Hospital	Facilitator of Surgical Skill Workshop for House Officer
2.	July 2008 till now	Penang Medical College (PMC)	3 rd , 4 th & Final Year Medical Students Exams Coordinator
3.	September 2008 – till now	Penang Medical College (PMC)	3 rd , 4 th year and Final Year Clinical tutor
4.	October 2009 – till now	Penang International Dental College (PIDC)	Clinical Tutor
5.	2009, 2010, 2015, 2020, 2022	RCSI basic surgical skills course	Facilitator
6.	2008, 2009, 2010, 2011,2015	MRCSEd Third Part Viva Examinations	Exam Coordinator
7.	January 2015- till now	Monash University Johor Bahru	Clinical Tutor and Examiner
8.	March 2020	University of Adelaide	Clinical Tutor

Research

I am registered with the National Malaysian Research Center and have my Good Clinical Practice Certificate. Currently I am the principal investigator in major multicenter international clinical research trials currently ongoing in Penang General Hospital (DOLPHIN, KEYNOTE and BURST trials).

I have authored numerous Clinical Research Papers as well as presenting topics in numerous local Conferences as well.

I have recently been invited to International Conferences as part of the overseas faculty and have presented topics at the conference as well. As COVID has affected the world, the nature of clinical conferences has changed and thus I have adapted myself and have participated in numerous online Webinars as a participant and sometimes as a facilitator and also speaker.

I have also recently been appointed as the pioneer committee member in developing the first Clinical Practice Guidelines for Erectile Dysfunction.

In part of my keen interest in teaching as well, I have co-authored numerous clinical papers with my trainees and with medical officers I have worked with.

Publication/ Presentation:

Invited Speaker Johor Trauma Update 2015

Invited Speaker 2nd International Conference of Surgery and Surgical Education 2015
Clinical School Johor Bahru Monash University Johor Bahru

Invited Speaker Johor Trauma Update and 3rd ASEAN Trauma Congress 2016

Invited Speaker Urology CME for Medical Attendants April 2017

Invited Speaker and Overseas Faculty Sri Lankan Urology Conference 2019 in Colombo

Invited Speaker Wellings Pharmacy Round Table Talk on Erectile Dysfunction
October 2020

ASEAN Bristol Prostate Cancer Preceptorship Programme October 2020

Invited Speaker Speaker Erectile Dysfunction AHCOE January 2021

Invited Speaker BBRAUN Spinal Chord Injury and CAUTI October 2021

Invited Speaker UM General Surgery Master Class 2021 and 2022

Invited Speaker Sabah Urology Update 2022

Invited Panelist Meet The Experts Prostate Cancer Round Table Talk 2022

Invited Speaker GSK Talk 2022

Invited Speaker Erectile Dysfunction for General Practitioner's Viatrix 2022

Invited Speaker Borneo Urology Update 2022

Invited Speaker MMA General Practitioners Conference 2022

Papers Presented:

1. June 2009: Study between Upper pole versus lower pole puncture in PCNL PGMES Penang (Second Prize Poster Competition)
2. November 2017: A prospective study comparing between mid-stream urine and pelvic aspirated urine cultures in patients with indwelling double J stents (oral presentation at Malaysian Urology Congress 2017)
3. November 2017: Ultrasound guided imaging for Extracorporeal Shock Wave Lithotripsy (video presentation at Malaysian Urology Congress 2017)

Publications:

1. November 2015: Epidemiology of urosepsis in a non-urology centre BJUI Supplement
2. November 2016: Extra Mammary Pagets disease of the scrotum BJUI Supplement
3. November 2016: Renal subcapsular hematoma as a complication after laser lithotripsy BJUI Supplement
4. November 2016: Audit of non-muscle invasive bladder carcinoma in Hospital Sultana Aminah BJUI Supplement
5. November 2016: Persistent Mullerian Duct Syndrome BJUI Supplement
6. November 2016: Cystinuria in children BJUI Supplement
7. November 2017: Urethritis with urethral polyembolokoilamania BJUI Supplement
8. November 2017: Heminephrectomy in kidney with a duplex system: A case report BJUI Supplement

Numerous Papers Written and Published as second and third authors in both local and international Journal over the Years

Organization:

No.	Date	Organization	Position
1.	2008/2009 2009/2010	Society of Surgeons, Penang	Member
2.	30 th Oct – 1 st Nov 2008	Penang Hospital Breast Cancer & Vascular Symposium Organizing Committee	Social Committee, Organizing Committee Member and Master of Ceremonies
3.	26 th -27 th Mac 2009	Penang Hospital Advanced Laparoscopic Hernia Workshop	Organizing Committee and Master of Ceremonies
4.	1 st August 2009	Penang Hospital Clinical Nutrition Workshop	Organizing Committee and Master of Ceremonies
5.	24-25 th June 2010	Penang Surgical Symposium	Organizing Committee
5.	16 th and 17 th September 2015	Johor Trauma Update 2015	Deputy Chairperson Organizing Committee
6.	16 th and 17 th September 2016	Johor Trauma Update 2016	Invited Faculty and Speaker
7.	December 2019	Sri Lankan Urology Conference (SLAUS 2019)	Invited Faculty and International Speaker
8.	February 2020 till now	Malaysian Urology Association Youth Chapter	Member
9.	February 2021	Malaysian Urology Conference 2021	Scientific Chair
10.	February 2022	Malaysian Urology Conference 2022	Scientific Chair
11.	June 2022	Malaysian Prostate Cancer Consensus Meeting	Organizing Chairperson

12.	2021-2022	Malaysian Urology Association Examination Committee	Member
13.	January 2021-now	Member of the committee for Erectile Dysfunction Clinical Practice Guidelines	Member
14.	November 2022 till now	Board Of Urology Malaysia	Member
15.	January 2023	Safe surgery Saves lives, Hospital Pulau Pinang	Member
16.	January 2023	Ahli Jawatankuasa Dewan Bedah Hospital Pulau Pinang	Member
17.	January 2023	Pain Free Jawatankuasa	Member
18.	January 2023	Mortality and Morbidity	Member

Conferences

1	20-22 nd July 2007	PGMES Penang	Attended
2	18 th January 2007	Colorectal Stapling Workshop, Penang GH	Attended
3	24 th July 2008	Stoma Care, Penang General Hospital	Attended
4	24 th June 2008	Medicolegal aspects in clinical Practise, Hospital Kepala Batas	Attended
5	23 rd August 2008	Basic Introduction to SPSS, Penang GH	Attended
6	3 rd -4 th October 2009	Nutrition Therapy in ICU, Sunway Resort Kuala Lumpur	Attended
7	26-28 th June 2009	PGMES Penang	Attended
8	24 th -26 th July 2009	18 th Malaysian Urology Congress and 20 th Video Urology World Congress, Kuala Lumpur Convention Centre	Attended
9	28 th -30 th May 2010	College of Surgeons 2010, Melaka	Attended
10	5 th March 2011	National NST workshop Hospital Sungai Buluh	Attended
11	25 th -27 th November 2011	20 th Malaysian Urology Congress Kuala Lumpur	Attended
12	31 st may -2 nd June 2013	College of Surgeons 2013 Hilton Kuala Lumpur	Attended
13	9 th March 2014	Coloproctology International Scientific Congress, Kuala Lumpur	Attended
14	23 rd -25 th May 2014	College of Surgeons 2014 Sarawak	Attended
15	May 15 th -16 th 2015	2 nd International Conference on Surgery and Surgical education	Invited Faculty and Speaker
16	November 2015	Kursus Trauma and Acute Surgical Care Update Johor	Speaker
17	29 th -31 st May	College of Surgeons 2015	Attended

	2015	Annual Meeting Penang	
18	19 th -22 nd November 2015	24 th Malaysian Urology Conference Johor Bahru	Attended and Master of Ceremony
19	21 st -24 th July 2016	UROFAIR, Singapore Urology Conference	Attended
20	27 th and 28 th July 2016	Advanced Urodynamics Course Bristol Urological Institute and Malaysian Urological Association	Attended
21	7-9 th October 2016	Laborie Urodynamics Workshop	Attended
22	25-27 th November 2016	25 th Malaysian Urological Conference, Royale Chulan Kuala Lumpur	Attended
23	19 th -20 th December 2016	TUERP Workshop, Hospital Selayang	Attended
24	November 2017	Advanced Endourology Workshop UM	Attended
25	19 th -20 th August 2017	FRCS URO prep course 2017UKM	Attended
26	24 th -26 November 2017	26 th Malaysian Urological Conference, Sarawak	Attended
27	15-17 th April 2018	Asian Urology Residents Course, Kyoto Japan	Attended
28	30 th June -1 st July 2018	Section of Uro-oncology Forum 2018, Malaysian Urology Association.	Attended
29	9-12 July 2018	Urology Residents Course Singapore 2018	Attended
30	22-24 th November 2018	27 th Malaysian Urology Conference	Attended
31	December 2019	Sri Lankan Urology Conference (SLAUS 2019)	Invited Faculty and International Speaker