

*Hiten Patel*

**Curriculum Vitae**  
**October 2006**

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## **PERSONAL DETAILS**

**Name:** Mr Hitendra R H PATEL

**Nationality:** British

**Marital Status:** Married  
2 Children (5 years; 20months)

**Defence Union:** Medical Protection Society No: 354767

**GMC:** Full Registration No: 3688847 (1993)

## **CURRENT POSITION:**

### **Consultant Laparoscopic Uro-Oncological Surgeon**

Head,  
Section of Laparoscopic Urology  
Institute of Urology  
University College London Hospital  
London, UK

## **EDUCATION and QUALIFICATIONS**

### **Education:**

University of Dundee, Medical and Dental School	<b>1986 – 1992 (MBChB)</b>
Department of Cell Biology and Histology, Academic Medical Centre, University of Amsterdam, The Netherlands	<b>1988 – 1989 (BMedSc.Hons)</b>
Departments of Surgery, ICRF Biomedical Research Centre, Biochemical Medicine Ninewells Hospital and Medical School, Dundee, Scotland, & Department of Surgery, School of Surgical Sciences, University of Newcastle-upon-Tyne & Section of Molecular Carcinogenesis Cancer Research UK, Institute of Cancer Research, Sutton, Surrey.	<b>1993 – 1996 (PhD)</b>
North East England, Basic Surgical Trainee	<b>1997 – 1999 (MRCS)</b>
North Thames (London) Higher Urological Trainee	<b>2000 – 2004 (FRCS Urol)</b>
Fellow and Visiting Professor Section of Laparoscopy and Robotic Surgery Dept of Urology, University of Rochester Medical Center, Rochester, NY, USA	<b>2004 (DaVinci certified)</b>

### **Degrees and Qualifications:**

B Med.Sc. Hon. (Dundee)	1989
MB ChB (Dundee)	1992
PhD (Dundee)	1997
MRCS (Glasgow)	1999
FRCS (Urol)	2002
FRCS (Eng, ad eundem)	2005

## ATTAINMENTS AND AWARDS

Medical Research Council Studentship	1988
<b>Clinical Training Fellowship</b> Medical Research Council	1994
<b>Clinical Research Associate</b> (University of Newcastle)	1997
<b>Hon. Clinical Lecturer</b> in Urology (Institute of Urology, London)	1999 - 2004
<b>Clinical Associate,</b> Human Biomonitoring & Carcinogen Activation Team Institute of Cancer Research, UoL, Sutton	2003 -
<b>Clinical Advisor</b> Molecular Pathology (University of Barcelona)	2003-
<b>Referee/Reviewer</b> <i>BJUInt</i>	2001-
International Journal Impotence Research	2003 -
Asian Journal Andrology	2004 -
Indian Journal of Surgery	2004 -
Expert Opinion in Drug Therapy	2004 -
Journal of Urology	2004 -
<b>Lancet</b> Oncology	2004 -
European Urology (Laparoscopy and Oncology)	2005 -
<b>Section Editor</b> , Oncology (Exp Opinion Pharmacotherapy)	2003 -
<b>Section Editor</b> , Metabolic and Renal (Exp Opinion Pharmacotherapy)	2003 -
Editorial Board, Current Drug Therapy	2005-
Editorial Board, Expert Review Anticancer Therapy	2005-
Editorial Board, F1000, medicine (Technology section)	2005-
<b>Section Editor, J Robotic Surgery</b>	2006
Professor of Urology, Laparoscopy and Robotic Surgery (adjunct) Section of Laparoscopy and Robotic Surgery University of Rochester Medical Center, Rochester, NY, USA)	2004 -
Invited Chairmen, Laparoscopy session EAUrol, Istanbul,	2005
Moderator, Live robotic surgery, University of Rochester, NY	2005
Visiting Professor in Laparoscopy, University of Barcelona	2006
Visiting Professor in Laparoscopic Advanced Oncological Surgery Gujarat Cancer and Research Institute, Civil Hospital, Amedabad, India	2006
<b><u>Awards:</u></b>	
<b>Vivianne-Maggi, International</b> Investigator Prize, Royal Microscopical Society, Oxford	Runner-up (1990)
<b>Ethicon Trophy</b> , Recent Advances in Medicine, University of Dundee Medical School	Runner-up (1991)
<b>Patey Prize</b> , Surgical Research Society, UK	Runner-up (1994)
<b>Short Paper Prize</b> Royal Society of Medicine, London	Winner (2003)
<b>Laparoscopy Fellowship</b> British Urological Foundation	Winner (2003)
<b>Travelling Fellowship</b> Royal Society of Medicine, London	Winner (2004)
<b>Travelling Fellowship</b> BAUS Section Endourology	Winner (2004)
<b>Royal Society of Medicine</b> , State of the art lecture (Laparoscopy)	May (2005)
<b>Fellow of the Royal College of Surgeons of England, ad eundem</b>	Aug 2005

## EMPLOYMENT

- Pre-Registration House Officer** Aug 1992-Jul 1993  
Ninewells Hospital and Dundee Royal Infirmary (Gen. Surgery; Ortho/Trauma)  
Ninewells Hospital, Dundee (Gen. Med; Nephrology; Haematol; CTdisorders)
- Research Fellow in General Surgery** Aug 1993-July 1994  
Dundee Teaching Hospitals NHS Trust
- Medical Research Council Clinical Training Fellowship  
& Hon. Registrar (General Surgery)** Aug 1994-Jan 1997  
University Dept of Surgery, Ninewells Hospital, Dundee &  
The School of Surgical Sciences, Newcastle, & The Section of  
Molecular Carcinogenesis, Institute of Cancer Research, Sutton, Surrey.
- Basic Surgical Trainee  
& Hon. Clinical Research Associate (Gen Surg)** Feb 1997-Feb 1999  
North East England Rotation  
1. Accident & Emergency Medicine, Wansbeck General Hospital (3/12).  
2. Anatomy Demonstrator, The Medical School, University of Newcastle (3/12).  
3. General Surgery & Intensive Care, Royal Victoria Infirmary (6/12).  
4. Orthopaedics and Trauma, North Tyneside General Hospital (6/12).  
5. Urology, The Freeman Hospital (6/12)
- Senior SHO Urology** Mar 1999- Mar 2000  
Institute of Urology and Nephrology, UCL, London
- Specialist Registrar & Hon. Clinical Lecturer In Urology** Apr 2000 – Apr 2004  
Institute of Urology Rotation, North Thames Deanery, London
- Consultant Laparoscopic Urological Surgeon (locum)** May 2004 – Sept 2004  
Dept of Urology, Guys and St Thomas's  
Duties included open major uro-oncological surgery and setup of  
robotic surgery
- Consultant Laparoscopic Urological Surgeon (locum)** Oct 2004 – April 2005  
Royal Free Hospital, UCL, and Whittington Hospital, London  
Duties were to setup laparoscopic services and laparoscopic Surgery  
mentoring in general surgery and urology.
- Consultant Laparoscopic Urological Surgeon (MENTOR)** 2005  
**Medway Maritime Hospital, Kent**  
Duties were mentoring pelvic advanced laparoscopy (radical prostatectomy)

## **CLINICAL EXPERIENCE**

### ***Urology***

#### **Basic Training**

During my time at two regional Urological referral centres (Freeman Hospital and Institute of Urology, UCL), I was exposed to general and sub-specialist Urology. My role involved outpatient clinics (general, urodynamics), and daycase, elective & emergency surgery. Skills acquired included investigation, diagnosis and management of common Urological disease.

#### **Specialist Training**

I have been fortunate to gain experience in the areas of general urology, while developing interests in several sub-specialities.

My overall training covered the following hospitals and areas:

1. Institute of Urology (General, Uro-Oncology, Prostate, Transplant/ renal access) – 6months
2. Whittington (General/ Endourology/Oncology/Day Surgery) – 1year
3. Medway Maritime Hospital, Kent (Endourology/Oncology/General/Day Surgery) – 1 year
4. Institute of Urology (Reconstruction/Paediatrics/Adolescent) – 6months
5. Institute of Urology (Reconstruction/Female Urology/Renal Access) – 6months
6. Laparoscopic fellow, All India Institute of Medical Science, Dept of Urology and Laparoscopy, New Delhi, India (Pure Upper tract Laparoscopy) – 1 month
7. The Royal Marsden Hospital (Uro-Oncology) – 3 months

#### **General Surgery**

Clinically I have had considerable exposure to General Surgery (Colorectal, Endocrine, Breast and Laparoscopy). I have been involved with the diagnosis and surgical management of common diseases, and performed a variety of elective and emergency operations.

During my research period I was regularly involved at the SHO/Registrar level in General Surgery, undertaking fixed operating sessions with a particular interest in laparoscopy.

#### **Laparoscopy and Robotic Experience**

Fellow and Visiting Professor in Urology, Laparoscopy and Robotic Surgery, Department of Urology, University of Rochester Medical Center, New York, USA.

In this recognised training program I excelled in the field of Advanced Laparoscopy and Robotics. I am currently certified to perform all urological surgeries including adrenalectomy and prostatectomy. I also mentored general surgeons in the US and continue this here in the UK. I am the only fellowship trained surgeon in the United Kingdom to use the fully robotic DaVinci system. I continue to be involved with training and live demonstration in the USA, most recently in Sept 2004, 2005 and 2006 corresponding with prostate cancer awareness week. I am currently the only fellowship trained surgeon for DaVinci robotic use. In addition, I have performed all oncological urology laparoscopically, including cystectomy and anterior exenteration in the UK (logbook on request).

## **MANAGEMENT EXPERIENCE**

### **Managing Life in the NHS**

I have attended this course which was specifically designed for the NHS environment. The 3 modules: Clinical Governance (June 2000), Skills (Dec 2000) and Knowledge (July 2001), were an excellent grounding during the beginning of my specialist training. It allowed me to apply these skills in daily clinical activities, which I feel improved my working efficiency and interaction with other people.

### **Administrative Clinician in Urology (Whittington & Medway Maritime Hospital)**

During my period as a Specialist Registrar, I had numerous administrative duties, as listed below. Specifically, in the 2 posts mentioned above, as the only middle grade staff member, I became the hub of communication between the consultants and other staff or managers. I was also able to nurture a team work ethic by resolving issues in the department before they became a major problem. This experience allowed me to develop my communication skills when dealing with colleagues at all levels.

- Duties - PRHO, SHO, Clinical Fellows annual leave and work timetable
- Manage outpatient and in patient lists.
- Co-ordinate multidisciplinary team – oncology
- Clinical Governance – collect, format and distribute data.
- Directing research and audit projects
- Teaching programme

### **Co-supervision of MD research (Institute of Cancer Research, Sutton and UCL)**

Due to my previous research I have negotiated successful partnerships with the scientific community. I currently co-supervise 3 research fellows which involves co-ordinating the groups' interaction with different organisations and people (Grant bodies, Hospital managers, Ethics committees, Patient groups, and other professionals). Two of the 3 have successfully achieved an MD

### **Chairman, MDCF ([www.mdcf.org](http://www.mdcf.org))**

I have set up a UK based charity to support a project in India to build and maintain a Tuberculosis treatment centre for underprivileged people. I am in charge of handling this charity's regular activity, as well as co-ordinating the work in India. This is a difficult task as there are many people to consult with, in more than one language, across thousands of miles (Architects, Lawyers, Charities commission, Accountants, Auditors, Industry, Marketing, Government departments, and the World Health Organisation).

### **Uro-Oncology meeting**

While working at UCH, I have set up a team meeting to improve the surgical pathway for patients with cancers requiring surgery. I chair this meeting every Tuesday. The meeting also allows for teaching as well as service issues.

## TEACHING EXPERIENCE

I enjoy interactive teaching which stimulates discussion, even in a large group. Keeping an open mind and listening to my students has made this an enjoyable experience.

As a **Clinical tutor** during my time in the department of Surgery, Ninewells Hospital, Dundee, I taught general surgery and examined students up to final year. This was especially rewarding when my students performed well.

I also spent three months as an **Anatomy demonstrator** in the University of Newcastle, which involved prosection and tutorial teaching sessions.

At the Institute of Urology I had the title of **Honorary Clinical Lecturer**, which allowed me access to research privileges, and involvement in teaching, as listed below. This was more difficult than undergraduate teaching as the subject matter and students varied greatly.

- Postgraduate MSc (Urol) course lecturing (UCL)
- Diploma Course (Urol) course teaching (UCL)
- Advanced diploma course in adult incontinence (UCL)
- Undergraduate basic surgical teaching (UCL)
- Supervision of MD research (UCL and UoL)
- Organiser of teaching programmes in Urology (Medway & Whittington)

As a fellow and **Visiting Professor** at the Section of Laparoscopy and Robotic Surgery, University of Rochester medical Center, NY, I set up and validated minimal access skills laboratories for residents and attending urologists, as well as mentoring and proctoring surgeons and trainees in laparoscopic and robotic operations.

Currently as adjunct **Professor of Urology, laparoscopy and Robotic Surgery**, I continue the role setup after my visiting fellowship. I have also begun the same process in the UK working with colleagues in the MIS Steering committee at UCH.

I have mentored surgeons in Laparoscopic Surgery, at the Royal free, Medway Maritime, Whittington and UCL Hospitals.

**European Association of Urology.** I work very closely with this group chairing sessions at meetings and reviewing manuscripts for the journal. My areas of expertise are recognised by the EAU in Laparoscopic Surgery across organs and Oncology.

I am an **expert trainer** in laparoscopy as recognised by my faculty positions with the European School of Laparoscopy (Madrid) and also Ethicon –Endosurgery wet labs (Hamburg).

## RESEARCH EXPERIENCE

My initial research work has involved basic science, at the cellular and molecular biological levels. The themes of study were epithelial cell function and oncology. More recently, I have begun to study the areas of clinical urology as represented within my publications, with the most novel areas involving microrobotics and 3-dimensional optic studies. I continue to work with basic scientists in the field of molecular markers and Urological Cancers

### ***BMedSci. Project***

#### **Aims:**

1. What is the physiological role of D amino acid oxidase in the liver of a mammal?
2. Develop a quantitative light microscopical imaging technique for this D-isomer enzyme.

We attempted to develop a reliable, specific and sensitive imaging technique for the D-isomer enzyme. Using this imaging technique and quantitative spectrophotometry, the enzyme activity was measured under various physiological and pathological conditions.

#### **Principal Findings**

1. A successful in situ method was developed to localise enzyme activity within liver tissues and allow physiological interpretation.
2. Enzyme activity reduced in fasting conditions, which corresponds with the theory that the D.amino acid oxidase plays a role in the intracellular system for insulin release.
3. The enzyme is affected by feeding conditions and has some role to play in controlling the gut flora.

#### **Conclusions**

This assay may be used to understand the metabolic effects of bacterial translocation into the portal circulation.

### ***Other Research Projects***

**Aims:** Develop a detection technique for (pre)malignant cells in the human colon.

#### **Principal Findings:**

1. Dysplastic and tumour cells are insensitive to oxygen in this test and this fact can be used to detect cancerous cells in biopsies in a simple and effective way.
2. Superoxide dismutase (EC1.15.1.1) is assumed to be low in these tissues because when added they become sensitive to oxygen.

#### **Conclusions:**

This assay in combination with routine histology may be exploited for the diagnosis of (pre)malignancy.

## ***PhD project***

**Title:** Pathways of Genotoxic Injury Associated with Intestinal Epithelial Regeneration.

**Aims:** Oncology based molecular and cellular changes associated with intestinal regeneration.

- (i) Develop models of intestinal regeneration, in vivo to use in the studies, including human.
- (ii) (a) Assess the expression of xenobiotic metabolising isoenzymes in developing rodent intestine before and after carcinogen exposure.  
(b) As for (a) in regenerating intestine before and after carcinogen exposure.
- (iii) Quantify the amount of carcinogen induced DNA damage in maturing and regenerating intestine.

### **Principal findings:**

- (i) Altered metabolic competence is observed when comparing maturing to regenerating intestine. The regenerating intestine expressed less isoenzymes and these were at lower levels compared to maturing intestine.
- (ii) DNA damage was highest at early stages of regeneration compared to late stages after carcinogen exposure. Also foetal intestine produced lower damage compared to other postnatal stages, with the neonatal intestine being the most sensitive.

### **Conclusions:**

- (i) For the first time we have shown the ontogeny of metabolic competence during maturation in untreated intestinal epithelium and the alteration in this competence after carcinogen exposure.
- (ii) For the first time we have also shown that early intestinal regeneration is a window of susceptibility to genotoxic injury by exogenous mutagens, and thus initiation of carcinogenesis.

## ***Current Research***

1. Prostate carcinogenesis (multicenter)
2. Urological cancer molecular markers study (multicenter)
3. Laparoscopy and Robotic Surgery (multicenter)

## **Grants & Funding**

### **NCRI Prostate cancer collaborative (research fellows x2) £52,000**

MD research at the ICR (CRUK funded also)

### **BAUS section of Endourology (William Cook Fellowship) 2003 (£1000)**

Costs towards a Laparoscopy and Robotic Fellowship, Rochester, NY, USA

### **British Urological Foundation 2003 (£1,750)**

Laparoscopy Fellowship – AIIMS, India

### **Medical Research Council Clinical Training Fellowship 1994-1997 (~£100,000)**

This competitive fellowship was awarded to undertake a PhD training programme in molecular and cellular biological techniques.

### **Medical Research Council Studentship 1989-1990 (~£5000)**

This was awarded for the research performed in the Dept of Cell Biology and Histology, Academic Medical Centre, University of Amsterdam, The Netherlands. The award was supported by the Dept of Anatomy and Physiology, University of Dundee (Prof PJ Stoward), and the Dept of Cell Biology and Histology, University of Amsterdam (Prof CJF Van Noorden).

### **Erasmus Studentship 1990 (~£1000)**

In conjunction with the MRC studentship an Erasmus grant was awarded to aid this European student exchange

### **Robertson Trust Award 1990 (<£100)**

This generous trust covered all the costs incurred to produce a B Med. Sc. Hon. thesis

### **Lawrence bequest 1994 & 1995 (~£1200)**

Competitive postgraduate travel fellowship for presentation of work in the USA

### **Membership of learned societies**

British Association of Urological Surgeons	2000 -
Hospital Consultants and Specialist Association	2003 -
Royal Society of Medicine (Fellow)	2004 -

### **Postgraduate training courses**

Sentinal Lymph Node Course, RCS(Eng) and UCL	Sept 2006
Human Subject Protection Program - 33870209	Feb 2004
Renal Transplantation & Nephrology, BAUS course	June 2002
Masterclass in Laparoscopic Surgery	Apr 2002
FRCS (Urol) revision course	April 2002
Scientific Basis of Urology	Dec 2000
Practical Skills for Urological Surgeons	Nov 2000
Urological Anatomy for Surgery	Jan 2001
Managing Life in the NHS: Module 1; Knowledge	July 2001
Managing Life in the NHS: Module 2; Skills	Dec 2000
Managing Life in the NHS: Module 3; Clinical Governance	June 2000
Basic Surgical Skills	May 1998
ATLS	Oct 1997
Ionizing Radiation	Aug 1992

## **PUBLICATIONS**

### **Laparoscopy and Robotics**

#### **PAPERS**

Laparoscopic surgery in urology: nephrectomy and prostatectomy

Joseph JV, Madeb R, Leung YY, **Patel HRH**, Erturk E

Hosp Med, 64: 411-415, 2003

Robot-assisted laparoscopic adrenalectomy: preliminary UK results.

Joseph JV, **Patel HRH**

BJU Int. 94:193, 2004

Complications of laparoscopic urologic surgery.

Madeb R, Koniaris LG, **Patel HRH**, Joseph JV.

J Laparoendosc Adv Surg Tech;14:287-301, 2004

Transperitoneal or extraperitoneal approach for laparoscopic radical prostatectomy: a false debate over a real challenge.

Joseph JV, **Patel HRH**

J Urol; 172:1545.2004

Robotic Surgery: the coming of a new era in surgical innovation

Joseph JV, Arya M, **Patel HRH**

Exp Rev Anticanc Ther,5(1): 5-7, 2005

Robot-assisted radical prostatectomy in obese patients.

Boczko J, Madeb R, Golijanin D, Erturk E, Mathe M, **Patel HRH**, Joseph JV

Can J Urol.13(4):3169-73, 2006.

Robotic versus Pure Laparoscopic Prostatectomy: What are the differences?

Joseph JV, Vicente I, Madeb R, Erturk E, **Patel HRH**

BJU, 96:39-42. 2005

Joseph JV, Rosenbaum R, Madeb R, Erturk E, **Patel HRH**. Robotic extraperitoneal radical prostatectomy: an alternative approach. J Urol. 175(3 Pt 1):945-50, 2006.

Pietrzak P, Arya M, Joseph JV, **Patel HRH**. Three-dimensional visualization in laparoscopic surgery. BJU Int. 98(2):253-6, 2006.

#### **ABSTRACTS**

daVinci Robot Assisted Extraperitoneal Laparoscopic Radical Prostatectomy

**Patel HRH**, Madeb R, Vicente I, Erturk E, Joseph JV

BJUint, 93 (Suppl 4), 80, 2004.

Laparoscopic Radical Cystectomy + Ileal Conduit In Women

Baumert H, Khan F, Morgan R, **Patel HRH**

Eur Urol. 3 (Suppl 4), 274, 2005

Cost-Profit analysis of DaVinci robotic surgery: is it worth it?

Joseph JV, Rosenbaum R, Vicente I, Madeb R, Erturk E, **Patel HRH**

JUrol, 173(4) suppl., 7, 2005

Robot assisted extraperitoneal prostatectomy: an alternative approach

Madeb R, Rosenbaum R, Vicente I, **Patel HRH**, Erturk E, Joseph JV

JUrol, 173(4) suppl., 91, 2005

Total Extraperitoneal Robot (DaVinci) prostatectomy: feasibility and early functional and oncological results

**Patel HRH**, Rosenbaum R, Madeb R, Vicente I, Erturk E, Joseph JV  
BAUS, Glasgow, 2005, p 40

Pure laparoscopic versus total robotic prostatectomy: the new gold standard?

**Patel HRH**, Rosenbaum R, Madeb R, Vicente I, Erturk E, Joseph JV  
BAUS, Glasgow, 2005, p 40

Ureterocystoplasty (UC): an excellent alternative in patients suitable for renal transplantation

Mahdavi R, Mirsadraee S, Ghorbani H, **Patel HRH**  
BAUS, Glasgow, 2005, p 20

Robot assisted radical prostatectomy (RAP): is this a cost viable option?

Joseph JV, Rosenbaum R, Madeb R, Vicente I, Erturk E, **Patel HRH**  
J Endourol 19 (supp 1), A64, 2005

Robot assisted extraperitoneal radical prostatectomy: continence and urinary complication

Rosenbaum R, Madeb R, Vicente I, Erturk E, **Patel HRH**, Joseph JV  
J Endourol 19 (supp 1), A64, 2005

Erectile function after Robot assisted extraperitoneal radical prostatectomy

Madeb R, Nicholson C, Rosenbaum R, Golijanin D, **Patel HRH**, Joseph JV  
J Endourol 19 (supp 1), A66, 2005

Robot assisted extraperitoneal radical prostatectomy: does size matter?

Rosenbaum R, Madeb R, Boczo J, **Patel HRH**, Joseph JV  
J Endourol 19 (supp 1), A137, 2005

Bladder neck sparing during Robot assisted extraperitoneal radical prostatectomy

Rosenbaum R, Madeb R, Boczo J, **Patel HRH**, Joseph JV  
J Endourol 19 (supp 1), A255, 2005.

Robot-assisted Extraperitoneal Radical Prostatectomy in Patients with Prior Hernia Surgery

Boczko J, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p18) 3214, 2006.

A prospective comparison between extraperitoneal and transperitoneal Robot-assisted Radical Prostatectomy.

Boczko J, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p19) 3214, 2006.

Robot-assisted radical prostatectomy in obese patients.

Boczko J, Madeb R, Golijanin D, Erturk E, Mathe M, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p28) 3226, 2006.

Location of positive margin, and PSA progression in patients undergoing extraperitoneal Robot-assisted radical prostatectomy.

Boczko J, Madeb R, Golijanin D, Erturk E, Mathe M, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p29) 3226, 2006.

Early potency after cautery free versus bipolar neurovascular bundle preservation during extraperitoneal robotic prostatectomy.

Boczko J, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p30) 3226, 2006.

## **BOOKS AND CHAPTERS**

1. Urological oncology: a day to day guide for the non-specialist

Ed **HRH Patel**.

MA Publishing Group, London, 2004

2. Minimal Access Surgery and Robotics: Looking through the keyhole

Eds **HRH Patel**, JV Joseph

Quay Books Group, London, (2005)

## **Other Papers**

### **Scientific**

Quantitative cytochemical detection of malignant and potentially malignant cells in the colon.

Best AJ, Das PK, **Patel HRH**, and van Noorden CJF

Cancer Research, 50; 5112-5118, 1990.

Light microscopical detection of d-amino acid oxidase activity in unfixed cryostat sections of rat kidney and liver using the cerium-dab-cobalt-H<sub>2</sub>O<sub>2</sub> procedure and a semipermeable membrane.

Frederiks WM, **Patel HRH**, Marx F, Gossrau R, Kooij A, and van Noorden CJF

Acta Histochemica, 40; S95-100, 1990.

A quantitative histochemical study of d-amino acid oxidase activity in rat liver in relationship with feeding conditions.

**Patel HRH**, Frederiks WM, Marx F, Best AJ, and van Noorden CJF

Journal of Histochemistry and Cytochemistry, 39 (1); 81-86, 1991.

Influence of cell interactions in a novel model of postnatal mucosal regeneration.

**Patel HRH**, Tait IS, Evans GS, and Campbell FC

Gut, 38; 679-686, 1996.

Metabolic competence and susceptibility of intestinal epithelium to genotoxic injury during regeneration.

**Patel HRH**, Hewer A, Phillips DH, Hayes JD, Wolf CR and Campbell FC

Carcinogenesis, 18: 2171-2177, 1997.

Age-dependent change of metabolic capacity and genotoxic injury in rat intestine.

**Patel HRH**, Hewer A, Hayes JD, Phillips DH and Campbell FC

Chemico-Biological Interactions, 113:27-37, 1998.

Dipyridamole potentiates antipurine antifolate activity in the presence of hypoxanthine in tumour cells but not in normal tissues in vitro.

Marshman E, Calvert AH, Dickinson AM, **Patel HRH**, Newell DR and Curtin NJ.

Clinical Cancer Research 4:2895-2902, 1998.

Expression of growth regulatory genes in a SCID mouse-human model of intestinal epithelial regeneration.

Sattar A, Robson SC, **Patel HRH**, Angus B and Campbell FC.

J Pathol., 187:229-236, 1999.

Intestinal mucosa versus dietary carcinogens: The carcinogenic consequence of metabolic defence enzyme disruption.

**Patel HRH**

Nutrition, 15(2):162-164, 1999.

Chemokines: key players in Cancer

Arya M **Patel HRH**, Williamson M

Curr. Med Res Opin, 19: 557-564, 2003

Expanding role of chemokines and their receptors in cancer

Arya M and **Patel HRH**

Expert Rev Anticanc Ther; 3: 579-582, 2003

Tissue Microarrays: A current medical research tool.

Shergill IS, Shergill NK, Arya M, **Patel HRH**

Curr. Med Res Opin, 20: 1-6, 2004

Allogeneic Stem Cell transplantation in renal cell cancer: a revolutionary immunotherapy?

Gommersall L, Hayne D, Lynch C, Joseph JV, Arya M, **Patel HRH**

**Lancet** (Oncol); 5: 561-7, 2004

The importance of the CXCL12-CXCR4 chemokine ligand-receptor interaction in prostate cancer metastasis.

Arya M, **Patel HRH**, Klocker H, Williamson M.

J Exp Ther Oncol. 4(4):291-303, 2004.

Allogeneic hematopoietic stem-cell transplantation: the next generation of therapy for metastatic renal cell cancer.

Arya M, Chao D, **Patel HRH**.

**Nature** (Clin Pract Oncol). 1(1):32-8, 2004

Basic principles of real-time quantitative PCR.

Arya M, Shergill IS, Williamson M, **Patel HRH**.

Expert Rev Mol Diagn. 5(2):209-19, 2005.

Bladder carcinoma: understanding advanced and metastatic disease with potential molecular therapeutic targets.

Ahmed HU, Arya M, **Patel HRH**.

Expert Rev Anticancer Ther.5(6):1011-22, 2005.

Tissue microarrays and their relevance to the urologist.

Shergill IS, Rao AR, Anjum FH, Arya M, **Patel HRH**, Mundy AR.

J Urol.175(1):19-26, 2006

N-Acetyltransferase and sulfotransferase activity in human prostate: potential for carcinogen activation.

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Boczko J, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p18) 3214, 2006.
76. A prospective comparison between extraperitoneal and transperitoneal Robot-assisted Radical Prostatectomy.  
Boczko J, **Patel HRH**, Joseph JV  
Can J Urol.13(4): (p19) 3214, 2006.
77. Robot-assisted radical prostatectomy in obese patients.  
Boczko J, Madeb R, Golijanin D, Erturk E, Mathe M, **Patel HRH**, Joseph JV  
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78. Location of positive margin, and PSA progression in patients undergoing extraperitoneal Robot-assisted radical prostatectomy.  
Boczko J, Madeb R, Golijanin D, Erturk E, Mathe M, **Patel HRH**, Joseph JV

Can J Urol.13(4): (p29) 3226, 2006.

79. Early potency after cautery free versus bipolar neurovascular bundle preservation during extraperitoneal robotic prostatectomy.

Boczko J, **Patel HRH**, Joseph JV

Can J Urol.13(4): (p30) 3226, 2006.

## **Books**

1. Urological oncology: a day to day guide for the non-specialist  
Ed **HRH Patel**.  
MA Publishing Group, London, 2004
2. Minimal Access Surgery and Robotics: Looking through the keyhole  
Eds **HRH Patel**, JV Joseph  
Quay Books Group, London, (2005)
3. Basic Science Research Methods for Clinical Researchers  
Ed. **HRH Patel**  
Springer-Verlag, London, (*in press*)
4. Urological Emergencies  
Ed. **HRH Patel**, *Shergill, Arya, I Gill*  
Quay Books Group, London,

## **Book Chapters**

1. Postgraduate Diploma in Urology  
Module 2: Urinary Tract Infection  
Wazait H, **Patel HRH**, Miller RA, Emberton M
2. Hypospadias.  
**Patel HRH** and Woodhouse CRJ  
Mens Health, second edition  
Eds Kirby, Kirby, Farinha  
Publisher ISIS Medical Media, 2004
3. FRCS (Urol) Handbook  
**Patel HRH**  
Ed Dasgupta P  
Publisher, Blackwell Science, in press
4. <sup>32</sup>P-postlabelling to assess environmental and endogenous damage within the human  
**Patel HRH**  
Setting up research for urological trainees.  
Publisher: Blackwell Science, in press
5. The basic science of uro-oncology  
Shergill I, Arya M, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004
6. Prostate cancer: management and controversies  
Joseph JV, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004
7. Update on bladder cancer

Masood S, Wazait H, Arya M, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004

8. Kidney Cancer: management guidelines  
Lee F, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004

9. Testicular Cancer: update and controversies  
Lee F, Arya M, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004

10. Penile Cancer  
Shergill I, Arya M, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004

11. New Horizons in Urological Oncology  
Haq A, **Patel HRH**  
Urological oncology: a day to day guide for the non-specialist  
Ed HRH Patel.  
MA Publishing Group, London, 2004

## Meetings attended (Papers Presented)

Jan 1990	Royal Microscopical Society, International Histochemical Section, London
Apr 1991	Post Graduate Clinical Meeting, Recent Advances in Medicine, Dundee
Feb 1994	Society of University Surgeons, 55th annual meeting and 9th Tripartite Meeting. Jackson, Mississippi, USA.
Oct 1994	Biochemical Society, University of Sussex, Brighton
Apr 1995	Association of Depts of Surgery in Europe (ADSE), Royal Free Hospital
Apr 1995	Study group meeting for Research areas, health and chemical safety in the environment and STEP programmes. European Commission Directorate general XII: science, research and development. Noordwijkerhout, NL.
May 1995	Digestive Diseases Week, San Diego, USA. The Society for Surgery of the Alimentary Tract, Inc. American Gastroenterological Association
Jun 1995	European Study group on Cell Proliferation, Hammersmith Hospital, London.
Oct 1995	5th annual student postgraduate symposium, Ninewells Hospital and Medical School
Dec 1995	European Sulfation Workshop Rotterdam, The Netherlands
Sept 1996	British Society of Gastroenterology, UMIST, Manchester
Mar 1997	British Society of Gastroenterology, Brighton
Jan 1998	Surgical Research Society, St Thomas' Hospital, London
June 1999	BAUS, Glasgow
June 2000	BAUS, Birmingham
Feb 2001	2 <sup>nd</sup> European Interactive forum on the Overactive Bladder, Cannes, France
Apr 2001	EAU, Geneva, Switzerland
June 2001	BAUS, Dublin, Ireland
Feb 2002	EAU, Birmingham
May 2002	AUA, Orlando, USA
June 2002	BAUS, Glasgow
Mar 2003	EAU, Madrid
Apr 2003	RSM, London
June 2003	BAUS, Manchester
June 2004	BAUS, Harrogate
March 2005	EAU, Istanbul
May 2005	AUA, San Antonio
Aug 2005	World Congress in Endourology, Amsterdam
Mar 2006	EAU, Paris
May 2006	AUA, Atlanta

## **INTERESTS**

**Charitable** Chairman, MD Charitable Foundation (UK Reg No. 1099339)

**Media** *Participant in the following programmes*

“Keyhole surgery”, *ITN news, July 1994*

“Embarrassing Illnesses: testicular cancer”, Channel 4, 9<sup>th</sup> November 1999

“Aspirin and Prostate Cancer”, LBC radio, ITN News, 20<sup>th</sup> September 2000

“Outpatient delay" Today programme, radio 4, BBC Website, The Times, and other newspapers, radio stations - Nov 2002

“History of anaesthesia”, Channel 4, BBC World, November 2003

“City Hospital, Guys”, BBC2, Nov 2004

“Robotic Laparoscopic Prostatectomy, USA”, NBC, FOX News, Sept 2004

“Robotic Surgery across the Atlantic”: London and New York Sept 2005

**Social** Senior Vice President of Medical Society (1990-91)  
Treasurer of Medical Society (1991-92)

Movies

**Sport** University Football Team (Capt of Medical Team)  
Athletics Team

Current Golf, Walking