

Curriculum Vitae

**WJB Smellie MD(Cantab) FRCS(Gen)**

Consultant Endocrine and General Surgeon

Chelsea and Westminster Hospital NHS Trust  
Lister Hospital (HCA)  
Princess Grace Hospital (HCA)  
**London, UK**

11 February, 2010

## PERSONAL DETAILS

**Name** William James Buchanan Smellie BA MB BChir MD  
**FRCS(Gen)**  
**Date of birth** 5th June 1963  
**Age** 41  
**Nationality** British  
**Marital Status** Married, one child

**Current Employment** **Consultant Endocrine and General Surgeon:**  
  
**Chelsea and Westminster Hospital NHS Trust, London.**  
**(A central London teaching hospital, part of Imperial College of Medicine.)**  
  
**Lister Hospital, London (A 78 bed private hospital; part of the HCA group)**  
  
**Princess Grace Hospital, London (A private Hospital, part of the HCA group)**  
  
**Cromwell Hospital, London (A private Hospital)**

## ACADEMIC QUALIFICATIONS

1985 BA (Cambridge) Medical Sciences Tripos part III general  
1988 MB BChir(hons) (Cambridge)  
1990 ECFMG 84th Centile (USA)  
1992 Part II Fellow of the Royal College of Surgeons (England)  
1998 Part III Fellow of the Royal College of Surgeons (Gen)  
(Declared specialist interest in **Endocrine Surgery**)  
1998 Doctor of Medicine (Cambridge) (A Research Thesis equivalent to PhD in Medicine)  
  
1999 **Certificate of Completion of Specialist Training in endocrine and general surgery. (UK)**

## HIGHER EDUCATION

<b>Preclinical Medicine</b> 1982-1985	Downing College <b>Cambridge</b> UK
<b>Clinical Medicine</b> 1985-1988	<b>St Thomas' Hospital Medical School</b> , London UK Clerkship Johns Hopkins Hospital, Baltimore 1988
<b>Anatomy</b> 1989-1990	Senior demonstrator University of Cambridge school of anatomy UK
<b>Doctorate Research</b> 1993-1995	Research Fellow, Royal Marsden Hospital and Institute of Cancer Research, London, UK

## DISTINCTIONS AND PRIZES

<b>1982</b>	Entrance Exhibitioner, Downing College Cambridge.
<b>1987</b>	Clutton medal for Surgery, St Thomas' Hospital.
<b>1988</b>	Beane prize for Surgical Pathology
<b>1988</b>	Distinction in Clinical Surgery finals, Cambridge.
<b>1994</b>	Simpson Oncology Fellow Royal College of Surgeons, England.
<b>1996</b>	Winner MIA prize presentation, Royal Society of Medicine
<b>1998</b>	Smith and Nephew/BAES Travelling Fellow in Endocrine Surgery.

## **Surgical experience, practice and exceptional contributions.**

### **ENDOCRINE SURGERY.**

I am the consultant endocrine and laparoscopic surgeon in a Central London University teaching hospital. I have an international practice in the NHS and Private health sectors in the treatment of patients with disease of the thyroid, parathyroid, adrenal, and endocrine pancreas as well as laparoscopic surgery on the gall bladder, hernia, adrenal and pancreas. I have a wide experience in the emergency treatment of patients with general surgical disease including abdominal emergency surgery. My speciality is in the assessment and treatment of patients with thyroid nodular and hyperthyroid disease including thyroid cancers; the surgical management of parathyroid disease and the laparoscopic treatment of patients with adrenal disease including functional adrenal tumours. I have a close liason with the thyroid unit at the Royal Marsden Hospital, London, an internationally famous hospital for the treatment of cancers especially thyroid. I have adopted and helped develop modern minimal access techniques in the surgery of thyroid and parathyroid including using radioguided surgery for parathyroid disease and endoscopic harmonic scalpel techniques for thyroid and intra-abdominal surgery, including for adrenal and pancreas. I use intraoperative recurrent laryngeal nerve monitoring and have used intraoperative parathyroid hormone assays to monitor endocrine responses to surgery. I perform some of this surgery under local anaesthetic in suitable patients. I have developed a technique of surgery for parotid lesions using incisions hidden in the ear and hairline using techniques similar to those used by plastic surgeons for face-lifts. The surgery is further improved by intraoperative facial nerve monitoring using NIMPulse intraoperative nerve monitors.

### **Thyroid disease.**

I see direct referrals of all types of thyroid disease, the majority being goitres, some being thyrotoxic and some thyroiditis. I am the surgeon at a multidisciplinary medical/surgical thyroid clinic at the Chelsea and Westminster and I also offer an immediate fine needle aspirate service of dominant thyroid nodules. A proportion of these will be malignant and I am fortunate to benefit from collaboration with the Royal Marsden and Dr Harmer to provide an integrated multidisciplinary assessment and treatment of patients with thyroid malignancy, including recently preoperative assessment and planning and inclusion in RMH protocols. I have entered patients into the preoperative MRI database for future collection. I always encourage patients from the Chelsea and Westminster with thyroid malignancy to agree to be entered into RMH research projects.

I am a firm adherent to the surgical guidelines of the BAES and BTA in the approach to thyroid surgery, which concentrate on sound oncological principles. I am also interested in the cosmetic aspects of surgery in which cosmetically placed and minimal incisions are used to improve the appearance of the scars. This applies also to neck nodal dissections and I am experienced and continue to perform selective neck dissection using intraoperative nerve monitoring. I have performed endoscopic thyroidectomies in large mammals as a part of a European endocrine endoscopic course. I have successfully performed limited thyroid operations under local anaesthetic.

### **Parathyroid disease.**

The exceptional quality of the MIBI nuclear medicine scans in parathyroid disease at the CWH has enabled minimal incision parathyroidectomy, which I perform in some cases under local anaesthetic with sedation. I have in addition operated on two patients with parathyroid carcinomas in the last year. Both were referred to the Royal Marsden and are a quarter of the recent series of parathyroid carcinomas accepted for publication in a major oncological journal.

### **Adrenal disease**

I perform both laparoscopic and open adrenalectomies for all indications using harmonic scalpel dissectors. This has allowed early discharge and reduction in morbidity associated with the long incisions of traditional methods of surgery.

## **ENDOCRINE TRAINING**

I was exposed to endocrine surgery throughout my training prior to my appointment as a Consultant Endocrine Surgeon. The most intensive of my endocrine operative experience was gained during my Hammersmith year and during my visiting period to the Centre Hospitalier Regional Universitaire de Lille, France. For the fifth year of my HST training I was senior registrar to Mr JA Lynn at the Hammersmith Hospital. Mr Lynn has a majority interest in endocrine surgery. The Endocrine Surgery unit at the Hammersmith Hospital is a consultant-led tertiary referral centre for endocrine disease. It receives a wide spectrum of referrals of Endocrine disease both via direct referrals to the surgical unit from outside Institutions and GPs and internally from the Endocrine Medicine Unit. It is heavily committed to teaching and the unit has produced a major textbook in endocrine surgery. The unit is organised to allow joint clinics in Endocrine Medicine and Surgery. I performed two studies presented to the BAES, one of which is to be published in Clinical Radiology concerning the surgery and cervical angiography in the localisation of parathyroid glands in reoperative parathyroid surgery. During this year I consolidated my operative experience and was exposed to families carrying MEN 1 and 11 and von Hippel-Lindau gene-related disease. This included paediatric thyroid surgery as prophylaxis for MEN 11 in gene positive kindred.

## **CLINICAL ENDOCRINE RESEARCH**

I have performed and presented four clinical studies in Endocrine Surgery, one comparing the imaging of parathyroid glands using conventional sestamibi SPECT imaging with <sup>11</sup>C-methionine PET scans. While in Lille, France I studied the pathology of patients undergoing surgery for medullary cancer of the thyroid, demonstrating the jugulodigastric node is a sentinel node, accurately predicting the presence of tumour deposit in the lymph nodes lateral to the jugular vein. This is clinically highly relevant and determines the extent of dissection required for this condition. I have compared the use of selective cervical angiography and venous sampling with conventional methods of imaging of parathyroid glands, demonstrating the superiority of angiography. This series is to be published in Clinical Radiology. I have studied the results of intraoperative assay of intact PTH in a series of 152 French patients and am the first person to describe the importance of postdissection, pre-excision baseline assay, presented to a combined American, Scandinavian and British Associations of Endocrine Surgery in May 2000.

I am currently, as invited author, writing a chapter for the World Electronic Book of surgery on adrenocortical carcinomas in collaboration with Prof C Proye. This is a novel approach in medical education, allowing insertion of sound and graphics and video into the text. The Endocrine surgery section is being assembled by the International Association of Endocrine Surgeons and is therefore a multinational collaborative text.

I am a joint author on a chapter on endocrine medicine and surgery for a Churchill Livingstone textbook.

## **GENERAL SURGERY**

I use my laparoscopic expertise to treat gall bladder disease including cholecystitis and biliary pancreatitis. I am in charge of the hernia centre at the CWH and treat patients both using laparoscopic techniques and local anaesthetic/ spinal anaesthetic mesh and plug techniques. My wide experience with all different methods of surgical treatments enables me to tailor the treatment to the needs of the patient.

I treat all manner of emergency general surgical disease as a routine and also am often consulted by other surgical specialities for intraoperative assistance with complex cases and emergencies including general complications of obstetric disease.

I have a particular interest in the assessment and treatment (usually non-operative) of groin pain related to sporting injuries.

I have an interest in the treatment of patients with pilonidal disease, particularly favouring Bascom's procedure of sinus excision with microsurgery.

## **Surgical teaching and lecturing**

I am head of the surgical training programme in this sector of London and am responsible for the running of the surgical programme for 15 trainees in years 1-6 of the higher surgical training programme (years 4-10 of the whole training programme). I lecture of endocrine and general surgery to the whole of the Northwest London programmes and teach in the operating theatres and lectures theatres in London. I am responsible for teaching general surgery to medical students at the Imperial College of Medicine in London, one of the country's leading medical schools. I have been responsible for endocrine surgical clinical research leading to a number of recent publications in leading journals on the subject of the clinical treatment of surgical disease particularly recent advances in the treatment of parathyroid carcinomas and in the treatment of parotid disease.

## SURGICAL TRAINING

### Basic surgical training

<b>House-officer posts</b> 1988-89	HS <b>St Thomas' Hospital, London.</b>
<b>Casualty/trauma</b> 8/90-1/91	HP to Dr M Joy (cardiology), <b>St Peter's Hospital Chertsey.</b> Junior Assistant Resident, emergency, trauma and cardiothoracic surgery, Division of Surgery, <b>Medical College of Virginia, Richmond USA.</b>
<b>Orthopaedics</b> 2/91-7/91	Senior House Officer to Prof. RB Duthie, <b>Nuffield Orthopaedic Centre, Oxford.</b>
<b>General Surgery</b> 7/91-1/92	Senior House Officer to Prof. RCN Williamson, Director of Surgery, Royal Postgraduate Medical School, <b>Hammersmith Hospital London.</b>
<b>Surgical Oncology</b> 2/92-7/92	Senior House Officer to Prof. M Baum, <b>Royal Marsden Hospital London.</b>
<b>Post-Fellowship SHO</b> <b>General Surgery</b> 8/92-5/93	Senior House Officer to Messrs Nash, Edwards, Chilvers and Betts (General Surgery), <b>St Helier Hospital, Carshalton, Surrey.</b>

### Higher Surgical Training

4/95-10/95	SpR in General Surgery, <b>St Peter's Hospital, Chertsey.</b> Messrs MH Thomas, GT Layer (vascular, endocrine/breast) DR Donaldson, EM Chisholm (GI)
11/95-9/96	SpR in Endocrine breast and colorectal surgery, <b>St Thomas' Hospital, London.</b> (Visiting Endocrine Fellow to Prof. C Proye, <b>Centre Hôpitalier Regional Universitaire de Lille, France 7/96</b> )
10/96-9/97	SpR in Breast and endocrine, pancreatobiliary and general surgery <b>St George's Hospital London.</b>  British Association of Endocrine Surgeons/Smith and Nephew Travelling Fellow July/August 1997, <b>Ann Arbor and Mayo Clinic, USA</b>
10/97-9/98	Senior Specialist Registrar in Endocrine Surgery, <b>Hammersmith Hospital, London (Mr JA Lynn).</b>
10/98-9/99	Senior specialist registrar in General Surgery, <b>Ashford and St Peter's Hospital, Chertsey</b>  Honorary Registrar in colorectal surgery, <b>St Marks Hospital, Harrow, Middx (Mr R Phillips).</b>

### OVERSEAS EXPERIENCE

Baltimore Md USA	<b>Johns Hopkins Hospital</b> Medical Student Senior Clerkship 1988
Richmond VA USA	Junior Assistant Resident, <b>Medical College of Virginia USA</b> 8/1989-2/1990
Lille, France	Visiting Fellow, <b>Centre Hôpitalier Regional Universitaire de Lille, France</b> July 1997
Rochester Ma USA	Visiting Fellow <b>Mayo Hospital USA</b> 7/1998 Ann Arbor Mn USA

## SURGICAL RESEARCH

### THESIS

<b>Title of Thesis</b>	Monoclonal Antibodies against the c-erbB2 proto-oncogene in human breast cancer.
<b>Supervisors</b>	Mr NPM Sacks MS FRCS FRACS, Department of Surgery, Royal Marsden Hospital and Institute of Cancer Research  Dr C Dean PhD, Section Chairman, Department of Immunology, ICR, Sutton, Surrey
<b>Collaborators</b>	Dr SA Eccles PhD Immunologist, ICR Sutton Dr P Carnochan PhD, Department of Radiopharmaceutical Research
<b>Degree</b>	<b>Doctor of Medicine, University of Cambridge.</b> June 1998

### Summary of research

I was appointed as a surgical research fellow at the Royal Marsden Hospital/Institute of Cancer Research under the supervision of Mr NPM Sacks MS FRCS FRACS. During the 23 months of full-time research, my prime interest was in targeting of radioisotopes to breast cancer xenografts for imaging and as a potential vector for radioimmunotherapy and targeted chemotherapy. I worked in the laboratories of the divisions of Immunology and Radiopharmaceutical research. I was the lead researcher in a trial protocol submitted and accepted by the CRC for the radioimmunolocalisation of breast cancer. As a result of the findings of the first year of experiments including the administration of radiopharmaceutical to a patient as a part of this trial, it became clear that the key to success was in the clearance of the blood of unbound radiopharmaceutical. I presented the results of these experiments in a competitive application to the Royal College of Surgeons of England and was awarded the Simpson Fellowship for Oncology Research. This covered salary and laboratory expenses for the following year. I developed a novel technique of blood clearance using galactosylated anti-idiotypic antibodies directed against the binding segment of the radiopharmaceutical. This resulted in first-pass clearance of circulating radiopharmaceutical by the liver and I proved its superiority in Phase I experiments under strict CRC guidelines. As a result of this my successor has applied these techniques in human (phase II) trials. My findings were collated and presented to the University of Cambridge as a Thesis and resulted in the award of Doctor of Medicine.

This work remains experimental but the results of this and of many other workers continuing in the field may result in clinically useful agents particularly targeted chemotherapy.

### Research Grants and Fellowships

- 1) Royal Marsden and Institute of Cancer Research pump priming grant 1993
- 2) CRC project grant graded A-
- 3) Simpson Oncology Fellowship awarded as a result of submission of proposal based on first year's work at the RMH/ICR 1994

## Publications and Presentations in Clinical Surgery

### Original articles

1) **A new instrument: the toothed cutting forceps** WJB Smellie. Br J Surg. 1991, **78**; 1014.

2) **Idiopathic infarction of the psoas with lumbar plexus involvement.** WJB Smellie IW Nelson JRT Eckersley CJK Bulstrode 1992 J Bone Joint Surg (Br) **74-B** 468-9

3) **Hormone replacement therapy and breast cancer.** WJB Smellie, JM Thomas (1993) Br J Obstet Gynaecol, **100**, 404-407

4) **Hormone replacement therapy and breast cancer-reply** WJB Smellie JM Thomas (1994) Br J Obstet Gynaecol; **101**:86

5) **A single axillary crease incision for wide local excision and axillary clearance in breast cancer.** WJB Smellie M Yeatman AG Nash (1994). Ann R Coll Surg Engl **76**:197-199

6) **A single axillary crease incision for wide local excision and axillary clearance in breast cancer-reply** AG Nash, WJB Smellie (1995) Ann R Coll Surg Engl **77**:72

Citation in NCI oncolink Surgery for Breast Cancer June 1995

7) **Recent advances in the treatment of breast cancer.** WJB Smellie, NPM Sacks (1994) Postgraduate Med J; **70**: 243-246

Citation in NIH Guidelines on the inclusion of Women and Minorities as Subjects in Clinical Research NIH Federal Register, March 28 1994

(8) **[11C]Methionine positron emission tomography for patients with persistent or recurrent hyperparathyroidism after surgery.** (1998) GJ Cook, JC Wong, WJB Smellie, AE Young, MN Maisey, I Fogelman. Eur J Endocrinol **139** 195-197

(9) **Highly selective cervical angiography venous mapping and selective venous sampling in the localisation of parathyroids for re-exploration surgery** (2000) WJB Smellie, JA Lynn, JE Jackson. (Accepted Clinical Radiology)

(10) **Parathyroid carcinomas (2004)** J Kirby-Bott, C Harmer, WJB Smellie, European Journal of Surgical Oncology (accepted)

(11) Invisible parotidectomy (2004) R Kumar, WJB Smellie. Submitted to British journal of Surgery.

### Published Abstracts

(12) **Insulinoma in pregnancy, a novel treatment.** J Ray, WJB Smellie, K Meeram, JA Lynn BJS 1998

(13) **Highly selective cervical angiography, Venous mapping and selective venous sampling in the localisation of parathyroids for re-exploration parathyroid surgery.** WJB Smellie, JA Lynn, J Kanagalingam, JE Jackson  
BJS 1999

(14) **Pitfalls of Intra-operative [1-84] PTH Measurement During Surgery for Primary Hyperparathyroidism in 154 consecutive cases.** A. Mondragon Sanchez, M. Minuto, B. Mullineris, J. Lokey, F. Pattou, \*W.J.B. Smellie, C. Proye.  
Abstract accepted for publication BJS

#### Book Chapters

(15) **Surgery of the Adrenal Gland** WJB Smellie, AE Young.  
In: Breast and Endocrine Surgery Ed JR Farndon WB Saunders, London

(16) **Audit of screen detected breast cancers for the year April 1997-March 1998** G Querci della Rovere, WJB Smellie.  
In: Where we stand with Breast Cancer Research. Eds Agnathis, NJ; Tsiftsis, D.D. Synedron, Athens

(17) **Adrenocortical Carcinoma** WJB Smellie and C Proye. In preparation for World Electronic Book of Surgery.

#### Presentations

(18) **Clinical localisation of parathyroid glands using [11-C]-methionine PET scans for repeat exploration parathyroidectomy.** WJB Smellie, GJR Cook, I Fogelman, MN Vaisey, AE Young. British Association of Endocrine Surgeons 1996

(19) **Predictive value of intraoperative frozen section of the jugulodigastric node for invasion of the lateral compartment in medullary carcinoma of the thyroid.** WJB Smellie, F Pattou, F Combemale, B Carnaille, C Proye.  
British Association of Endocrine Surgeons 1997

(20) **Insulinoma in pregnancy, a novel treatment.** J Ray, WJB Smellie, K Meeram, JA Lynn British Association of Endocrine Surgeons, 1998

(21) **Highly selective cervical angiography, venous mapping and selective venous sampling in the localisation of parathyroids for re-exploration parathyroid surgery.** WJB Smellie, J Kanagalingam, JA Lynn, JA Jackson British Association of Endocrine Surgeons 1999

(22) **Pitfalls of Intra-operative [1-84] PTH Measurement During Surgery for Primary Hyperparathyroidism in 154 consecutive cases.** A. Mondragon Sanchez, M. Minuto, B. Mullineris, J. Lokey, F. Pattou, \*W.J.B. Smellie, C. Proye.  
BAES 2000

#### Publications arising from research

- Original articles**
- (23) **Radioimmunotherapy of breast cancer xenografts with monoclonal antibody ICR12 against c-erbB2 p185: comparison of iodogen and N-succinimidyl 3-(tri-n-butylstannyl) methylbenzoate.** (1995) WJB Smellie, CJ Dean, NPM Sacks, SA Eccles, MR Zalutsky, P Garg, P Carnochan. *Cancer Research* **55** 5842s-5846s
- Published abstracts**
- (24) **Radioimmunotherapy of human breast cancer xenografts using <sup>131</sup>I/ICR12 against c-erbB2 labelled using iodogen and n-succinimidyl 3-(tri-n-butylstannyl) benzoate.** WJB Smellie, SA Eccles, P Carnochan, MR Zalutsky, PK Garg, CJ Dean, NPM Sacks (1994) *J Immunother* **16**;158
- (25) **Radioimmunotherapy of human breast cancer xenografts using [<sup>131</sup>I]-ICR12 against c-erbB.** WJB Smellie, SA Allan, NPM Sacks, CJ Dean, (1994) *Eur J Nuc Med.* **21** S45
- (26) **Therapeutic potential of rat monoclonal antibodies directed against the c-erbB2 proto-oncogene product in metastatic cancers.** SA Eccles, G Box, W Court, CJ Springer, J Smellie, P Carnochan, CJ Dean,. (1994). *Clinical and Experimental Metastasis* **12**:2
- (27) **Galactosylated MID 2/40 results in blood clearance of <sup>125</sup>I/ICR2, a monoclonal antibody directed against epithelial membrane antigen in breast cancer xenografts** WJB Smellie, NA Roche, CJ Dean, SA Eccles, NPM Sacks.
- (28) **Blood clearance using galactosylated anti-idiotypic antibodies results in improved tumour/blood ratios than achieved using galactosylated anti-Fc.** WJB Smellie, P Carnochan, CJ Dean, NPM Sacks, SA Eccles
- Book Chapters**
- (29) **Breast cancer antibody imaging.** WJB Smellie, NPM Sacks. In: *New Antibody Technology and the Emergence of Useful Cancer Treatment.* Begent, R. Hamblin, A. 1995. London: Royal Society of Medicine Press Ltd
- Presentations**
- (30) **Radioimmunotherapy of breast cancer xenografts using monoclonal antibodies against c-erbB2 proto-oncogene product** (1994). WJB Smellie, SA Eccles, CJ Dean, P Carnochan, NPM Sacks Hammersmith Conference of monoclonal antibody research, Lesvos, Greece May
- (31) **Monoclonal Antibodies in Breast Cancer** (1994) WJB Smellie, NPM Sacks. Royal Society of Medicine
- (32) **Radioimmunotherapy of breast cancer xenografts using monoclonal antibodies against c-erbB2 proto-oncogene product** (1994). WJB Smellie, SA Eccles, CJ Dean, P Carnochan, P Garg, M Zalutsky NPM Sacks Fifth International Conference on Radioimmuno-localisation and radioimmunotherapy, Princeton, NJ, USA,

(33) **Blood clearance using galactosylated anti-idiotypic antibodies in radioimmunotherapy** (1995). WJB Smellie, SA Eccles, CJ Dean, P Carnochan, NPM Sacks Hammersmith Conference on monoclonal antibody research, Lesvos, Greece.

(34) **MIA prize presentation for surgical research, Section of Surgery, RSM, 1994 (Winner) Radioimmunotherapy of human breast cancer xenografts using monoclonal antibodies against the c-erbB2 proto-oncogene product.**  
WJB Smellie

#### **PROFESSIONAL SOCIETIES AND ASSOCIATIONS**

**British Association of Endocrine Surgeons.** Full member since 1998 under rule allowing registrars to be full members after presenting three times to the Association.

**Association of Surgeons of Great Britain and Ireland** 1997

**Fellow of the Royal College of Surgeons of England (1992).**

*W J B SMELLIE MD(Cantab) FRCS(Gen)*

11/02/10