

CURRICULUM VITAE

KEFAH MOKBEL

MB, BS (Lon.), MS (Lon.), FRCS (Eng.), FRCS (Gen-Surg)

- **Consultant Surgeon with a Special Interest
In Breast and Endocrine Surgery
St George's Hospital and Medical School, London, UK**
- **Reader in Breast Surgery, St George's Medical School**
- **Professor at Brunel Institute of Cancer Genetics &
Pharmacogenomics (Brunel University)**

ACADEMIC SUMMARY

My academic interests and achievements have been focused on three main areas:

1. Post-graduate Education
2. Breast Cancer Research
3. Development of Surgical Technology

In the context of Post-graduate Education, I have written more than ten books, aimed at doctors preparing for Post-graduate examinations (FRCS, MRCS, MRCP, MRCP and BLAP examinations) and Post-graduate doctors interested in clinical oncology and breast cancer. I have also founded one Post-graduate Medical Journal and co-founded another, the former is focused on review articles in the field of breast cancer (Breast Cancer Reviews: published by Euromed) and the latter is focused on original research in the field of surgical oncology (International Seminars in Surgical Oncology: published by BioMed Central). I have also written numerous review articles and editorials published in PubMed- listed medical journals aimed at post-graduate doctors in the field of breast cancer. I have also participated in undergraduate teaching at St. George's through tutorials, bed-side teaching, lectures, problem-based learning (PBL) and special study modules (SMS).

In the context of Breast Cancer Research, I am the first author, or the senior author, of more than 100 peer-reviewed articles listed by PubMed. The main focus of my Breast Cancer Research has been in the field of molecular biology of mammary carcinogenesis. Two of my research fellows have already been awarded their higher degrees and three others are due to submit their theses by April next year.

Finally, in the context of development of surgical technology, I have directed the development of a 1mm fibre-optic mammary ductoscope (Mastoscope) for the early detection of breast cancer and the investigation of women presenting with pathological nipple discharge. The device as is currently manufactured by Lifeline Biotechnologies (Flourida, USA). The Royalties earned from Mastoscope sales will be used to fund breast cancer research.

A. PERSONAL DETAILS

Name : Kefah Mokbel

Age : 01.01.1965

Status : Married

GMC Number : 3493616

Nationality : British

EDUCATION

1983 International Baccalaureate Examinations

100% Score in all 7 subjects

1985 A Levels - Concord College, Shrewsbury, UK

A-grades in all subjects

University

The London Hospital Medical College
(University of London)

MB, BS (1985-1990) - I qualified for a distinction
viva in general medicine (MB,BS finals)

Post Graduate Qualifications

F.R.C.S. (England), February 1994

F.R.C.S. (Gen-Surg), June 1998

M.S. (University of London), July 2000

PRIZES AND AWARDS

1989 - The Arthritis and Rheumatism Council Prize in Rheumatology
(The University of London)

1989 - The "Arthur Burrow" Prize in Dermatology
(The Royal London Hospital)

1995 - The Damascus International Conference Prize in Breast Surgery

1983 - "The National Scholarship Award"

This scholarship is awarded to the best candidate in the Baccalaureate Examination in Syria.

SOCIETIES & PROFESSIONAL BODIES

The British Medical Association

The British Association of Surgical Oncology (BASO)

The American Society of Clinical Oncology

The Medical Defence Union

EXTRA-CURRICULAR INTERESTS

Tennis, walking, football and swimming.

COURSES

1996 - Advanced Laparoscopic Cholecystectomy
The Royal College of Surgeons of England

1997 - Advanced Management and Planning Course
Wyeth Laboratories, Dublin, Ireland.

2000 - Lymphatic Mapping and Sentinel Node Biopsy for Breast Cancer
The 5th Annual Symposium on Breast Disease, Rome, Italy.

APPOINTMENTS

The Present Appointments

- Consultant in General Surgery with a specialist interest in Breast and Endocrine Surgery at St George's Hospital (London) since February 1st 2001
- Reader in Breast Surgery (University of London).
- Professor Associate at Brunel Institute of Cancer Genetics & Pharmacogenomics (Brunel University, London, UK).

Previous Appointments

01.08.90 - 31.10.90	House surgeon in general and vascular surgery The Royal London Hospital.
01.11.90 - 31.10.91	House surgeon in orthopaedic surgery The Royal London Hospital.
01.02.91 - 30.04.91	House physician in general medicine The Royal London Hospital.
01.05.91 - 30.07.91	House physician in haematology, radiotherapy and oncology, The Royal London Hospital.
01.08.91 - 31.01.92	Senior house officer in orthopaedic surgery and trauma, Leeds General Infirmary.
01.02.92 - 31.07.92	Senior house officer in Accident and Emergency The Royal London Hospital.
01.08.92 - 01.02.93	Senior house officer in breast surgery and surgical oncology, The Royal Marsden Hospital.
01.02.93 - 31.07.93	Senior house officer in plastic and reconstruction surgery, Charing Cross Hospital.
01.08.93 - 01.03.94	Senior house officer in general surgery (including urology, vascular surgery and surgical oncology) The Chelsea and Westminster and Charing Cross Hospitals.

1994 - 1999

Higher surgical training programme (NTN), North Thames Region, London.

1. April 94-Jan.95	Specialist registrar in general surgery. Hillingdon Hospital. During this post I rotated to breast, laparoscopic and vascular sub-specialties.
2. Jan. 95-Dec.95	Specialist registrar in colorectal surgery, The Central Middlesex Hospital, London.
3. Jan. 96-Oct.96	Specialist registrar in general and breast surgery, St Mary's Hospital, Paddington, London.
4. Oct.96-Oct.97	Specialist registrar in gastrointestinal surgery,

Ealing Hospital, London

5. Oct.97-Oct.98 Specialist registrar in colorectal, breast and endocrine surgery.
Northwick Park and St Mark's Hospitals N.H.S. Trust.
6. Oct.98-Feb.00 Specialist registrar in breast and endocrine surgery.
St Bartholomew's and The Royal London Hospitals.
7. Feb.00-Feb.01 Acting Consultant in General Surgery with a specialist interest in Breast and Endocrine Surgery.
Barts & The Royal London Hospitals.

B. TEACHING

Postgraduate:

In the context of Post-graduate Education, I have written more than ten books, aimed at doctors preparing for Post-graduate examinations (FRCS, MRCS, MRCP, MRCPGP and BLAP examinations) and Post-graduate doctors interested in clinical oncology and breast cancer. I have also founded one Post-graduate Medical Journal and co-founded another, the former is focused on review articles in the field of breast cancer (Breast Cancer Reviews: published by Euromed) and the latter is focused on original research in the field of surgical oncology (International Seminars in Surgical Oncology: published by BioMed Central). I have also written numerous review articles and editorials published in PubMed - listed medical journals aimed at post-graduate doctors in the field of breast cancer. I also developed an independent MRCS course (organised by LibraPharm) and contributed to the teaching programme of The MRCS STEP Course at The Royal College of Surgeons of England. At St George's, I am involved in teaching Junior and Senior House Officers and SpRs. At Kingston University, I have developed an MSc Course in Cancer Biology jointly with Dr. Andrew Jewell due to start next year. I have also organised national and international breast cancer symposia for postgraduate doctors.

Undergraduate:

I have always had an active role in teaching medical students the basic medical sciences and clinical medicine. The teaching included formal lectures, tutorials, bedside teaching, problem-based learning (PBL) tutorials and supervision of special study modules (SMS). I have also written several books (MCQs and concise notes) to enhance undergraduate education in the UK. I am currently designing questions for the MB,BS examinations at St. George's.

Publications related to teaching:

Postgraduate & Undergraduate Books

1. **Mokbel K**
Operative surgery and surgical topics for the FRCS
Kluwer Academic Publishers
Dordrecht/Boston/London 1995 (1st edition)
ISBN 1 900603 62 4
The 2nd edition was published in 1997 (Petroc Press)
The 3rd edition was published in 1999 (Petroc Press)
The 4th edition was published in 2003 (Petroc Press)

2. **Mokbel K**
Short answer questions in clinical surgery in general
Kluwer Academic Publishers
ISBN 1 900603 90 X
Dordrecht/Boston/London 1994 (1st edition)
The 2nd edition was published in 1997
3. **Mokbel K**
MCQs in applied basic sciences for FRCS
Kluwer Academic Publishers
Dordrecht/Boston/London 1992 (1st edition)
The 2nd edition was published in 1994
4. **Mokbel K**
Applied Basic Medical Sciences
ISBN 1-900603-75-6
Petroc Press (U.K.) 1997
5. Easterbrook P, **Mokbel K**
Basic Medical Sciences for the MRCP
ISBN 0906896347
Pastest Publishers (U.K.) 1996
6. **Mokbel K**
MCQs in General Surgery for MRCS/AFRCS.
ISBN 1900603829
Librapharm (U.K.) October 1999
7. **Mokbel K.**
Concise Notes in Oncology
ISBN 1 900603 44 6
Petroc Press (U.K.), 1st edition 1999
Reprint 2000
2nd edition 2001
8. **Mokbel K.**
Self-Assessment in Dermatology
Published in Paperback by Wrightson Biomedical Publishing Ltd UK
(01 September, 1990)
9. Kazkaz H, **Mokbel K**, Sanderson M.
MCQs for MRCP Part 1 with emphasis on basic medical sciences.
ISBN 1 900603 07 1
Librapharm (UK),September 2000

10. Helmy S, **Mokbel K**
Extended-Matching Questions for PLAB (Part 1)
ISBN: 1-90060-372-1
Petroc Press, UK, August 2000
11. **Mokbel K**
MCQ Tutor for The MRCS : Core and Systemic Modules
Petroc Press (U.K.) 2000.
12. **Mokbel K**
Endocrine and Biological Therapy of Breast Cancer into The 21st Century
LibraPharm Publishers, UK, 2001.
13. **Mokbel K**
Concis Oncology for Primary Care
LibraPharm Publishers (U.K.) published 2003
14. Overstalls S, Cunnick G, **Mokbel K.**
Get Through The MRCS : Part I
Royal Society of Medicine Publishers 2004

Books in preparation

- Kefah Mokbel, Sarah Aysebury
Principles of Surgery & Operative Surgery For The MRCS
Radcliffe Medical Publishers, Due June 2005.
- Kefah Mokbel
Concise Notes in Oncology for MRCS and MRCP
Radcliffe Medical Publishers, Due June 2005.

Chapters in books

1. Nash A, **Mokbel K**
Techniques for Local Excision and Reconstruction of The Breast.
Companion Series to Bailey and Love's
Short practice of surgery : Surgical Oncology
Chapman and Hall Publishers
1st Edition 1995
2. **Mokbel K**, Carpenter R, Craig P, Lowe D.
Epidemiology of Common Cancers
STEP 2000 Distance Learning Course of The Royal College of Surgeons of
England. 2001.
3. **Mokbel K**, Carpenter R, Craig P, Lowe D.

Biology of Cancer
STEP 2000 Distance Learning Course of The Royal College of Surgeons of
England.2001.

4. **Mokbel K**, Carpenter R, Craig P, Lowe D.
Clinical Features and Diagnosis of Neoplasms
STEP 2000 Distance Learning Course of The Royal College of Surgeons
of England.2001.
5. **Mokbel K**, Carpenter R, Craig P, Lowe D.
Principles of Cancer Treatment
STEP 2000 Distance Learning Course of The Royal College of Surgeons
Of England. 2001.
6. **Mokbel K**.
Treatment of DCIS: Recent Advances and Future Prospects
Focus on Breast Cancer Research 2004
ISBN: 1-59033-961-4 (Nova Science Publishers, USA).

Published review articles and editorials are listed in the next section

C. RESEARCH AND ACADEMIC PROFESSIONAL STANDING **(St. George's Hospital, Kingston University and Brunel University)**

My research interests have been primarily in the field of breast cancer.

Degree of Master of Surgery (Imperial College/ Brunel University, 1998-2000)

In collaboration with professor Robert Newbold at Brunel University and using a PCR-based assay, I have investigated telomerase activity in a wide range of breast specimens including normal breast, benign breast disease, carcinoma in situ and invasive breast cancer. The associations between telomerase activity and patient's age, tumour size, tumour grade, nodal status, hormonal receptor status, Ki-67 expression and P53 expression were examined. My work confirmed that telomerase reactivation occurs in most breast cancers and is rare in normal or benign breast tissue. Furthermore telomerase activity correlates with tumour stage and other prognostic parameters. The results of this work were presented at national and international meetings and published in international journals. The articles published from this project have been widely cited.

The thesis was submitted to The University of London in October 99, and I was awarded the MS Degree in July 2000.

I was appointed a Professor Associate at The Brunel Institute of Cancer Genetics & Pharmacogenomics in 2002 after internal and external peer review of my CV (Brunel University).

Current Research Programme

I have maintained a strong interest in research throughout my clinical training and after my appointment as a consultant surgeon and honorary senior lecturer at St. George's Hospital and Medical School. I have developed a strong research program in the field of molecular biology of breast cancer and secured regular access to laboratory facilities at Kingston University (School of Life Sciences), St. George's Hospital & Medical School, and Brunel University. Furthermore, I am currently the main investigator of the potential role of fiberoptic mammary ductoscopy in the UK.

The molecular biology research has been focussed on four key areas:

- **The expression and regulation of telomerase and hTERT (the catalytic subunit of telomerase) in breast cancer:**
We have demonstrated that telomerase is reactivated in most human breast cancers and its expression correlates with tumour stage and proliferation markers such as Ki-67. The relationship between telomerase, bcl-2, P53, c-Myc and TGF- β expressions was also investigated. We showed that hTERT expression was upregulated in

human breast cancer and correlated with telomerase activity. The potential role of this molecular marker in breast cancer diagnosis in conjunction with mammary ductoscopy is also being investigated. Moreover the role of hTERT in cancer therapy and prevention is the focus of a collaborative research project. This research has led to numerous original publications in prestigious peer-reviewed journals such as: Am J Surg, Breast Cancer Research and Treatment Journal, Eur J Surg Oncol, J Natl Cancer Inst....

- **The expression of cyclo-oxygenase 2 (Cox-2) in human breast cancer and its relation to carcinogenesis, angiogenesis and biological behaviour.**

We have demonstrated that cox-2 mRNA is upregulated in breast cancer and its expression correlates with the hormone receptor status and angiogenesis markers. We detected over-expression in the early stages of carcinogenesis and reported a correlation between cox-2 and clinical outcome. This work has been the subject of an MS thesis expected to be submitted at the end of 2004. Our experimental data led to several original publications in prestigious peer-reviewed journals such as: Anticancer Res, J Surg Oncol, Curr Med Res Opin, Eur J Surg Oncol

- **Chromosome 3P21**

We have hypothesised and demonstrated for the first time in the scientific literature that the APRG-1 gene behaves as a tumour suppressor gene in breast cancer. This work has been recently accepted by Breast Cancer Research & Treatment Journal.

- **IGF-1 Axis**

The role of IGF-1 axis in breast cancer. We have shown the relative importance of the paracrine/endocrine role of IGF-1 in mammary carcinogenesis and that IGF-1 mRNA expression correlates with nodal status: the best single predictor of disease behaviour in established breast cancer. This work has been presented internationally and been published as abstracts in Breast Cancer Res. Treat. And Eur.J.Surg.Oncol. We are currently moving into translational research in this area such as the potential use of IGF-1R blockade in the treatment of breast cancer.

- **Other areas include**

The significance of tumour-infiltrating lymphocytes and cytokines in human breast Cancer is currently being investigated under my supervision as part of a higher degree thesis.

The clinical research programme has focussed on mammary ductoscopy and included participation in multicentre clinical trials and retrospective reviews of my clinical work such as the sentinel node biopsy in early breast cancer.

In collaboration with Lifeline Biotechnologies (Florida, USA), I have developed a 1 mm fibre-optic microendoscope with a biopsy tool that allows endoscopy of the mammary ducts a biopsy under direct visualization. I have named this device as MastaScope and I own the patent of the unique biopsy tool. Future royalties from this innovation will be used to enhance research at St. George's Hospital & Medical School.

I have also organised a wide range of retrospective and prospective clinical research projects in the field of breast cancer. The subjects covered in this research include phyllodes tumours, radial scars, the role of the Harmonic scalpel in breast surgery, audit of breast reconstruction, the need for radiotherapy in the treatment of small breast carcinomas, predictors of positive margins in breast conserving surgery for DCIS, the role of segmental mastectomy in the management of DCIS and the accuracy of subareolar injection of blue dye in determining the sentinel node status in patients with invasive breast cancer.

In collaboration with the School of Life Sciences at Kingston University, I am currently supervising a PhD thesis investigating the effects of exercise on relevant biological markers and quality of life of breast cancer patients.

Collaborative Research Programme

I have established academic collaboration mainly in the field of breast cancer biology with other institutions such as Cardiff University, Imperial College, and The Cleveland Foundation. This collaboration has translated into joint publications in prestigious medical journals including Endocr-Related Cancer and Clin. Cancer Res. journals. The main three areas of this collaborative work include:

1. Lymphangiogenesis in human breast cancer
2. The role of rho GTPases in human breast cancer
3. The role of CCN family members [Cyr61/CCN1, connective tissue growth factor (CTGF/CCN2)] in human breast cancer.
4. Com-1 expression in breast cancer, in collaboration with Prof. Jiang and Dr Fodstad, who discovered the molecule in 2000.

Publications in Peer-reviewed PubMed-listed journals

1. G.S. Ranger, V. Thomas, A. Jewell, **K. Mokbel**. Elevated Cyclooxygenase-2 Expression Correlates with Distant Metastases in Breast Cancer. Anticancer Res. 2004;24(4):2349-51 **[Original Research] [IF=1.35]**
2. K L Kirkpatrick, R F Newbold, **Mokbel K**. The mRNA Expression of hTERT in Human Breast Carcinomas Correlates with VEGF Expression. J. Carcinogenesis 2004; 22;3(1):1. **[Original Research]**
3. Cunnick GH, **Mokbel K**. Skin-sparing Mastectomy. Am. J. Surg. 2004; 188(1):78-84. **[Review] [IF=2.18]**
4. Bhattacharya S, McPherson S, **Mokbel K**. Cancer 2025: surgery. Expert Rev Anticancer Ther. 2004 Jun;4 Suppl 1:S33-6 **[Review]**

5. G.Singh - Ranger, V. Thomas, A. Jewell, **K. Mokbel**. Elevated Expression of Cyclooxygenase-2 In Breast Cancer and Ductal Carcinoma In Situ Has No Clinicopathological Correlation. *J.Surg. Oncol.* 2004; 88(2): 100-103.
[Original Research] [IF=1.991]
6. Gumm R, Cunnick GH, **Mokbel K**.
Evidence for the management of mastalgia.
Curr Med Res Opin. 2004;20(5):681-4. **[Review] [IF=2.72]**
7. Harris K, Thomas V, **Mokbel K**.
Core biopsy is accurate in determining the hormone receptor status in early breast cancer.
Am. J. Surg. 2004; 187(4):568 **[research letter] [IF=2.16]**
8. Perera B, Tamer M, **Mokbel K**.
General practitioners choice between sentinel node biopsy and axillary node clearance for breast cancer.
Curr Med Res Opin. 2004;20(3):417 **[research letter] [IF=2.72]**
9. Wen G Jiang, Gareth Watkins, Oystein Fodstad, Anthony Douglas-Jones, **Kefah Mokbel**, Robert E Mansel
Differential expression of the CCN family members, Cyr61, CTGF and Nov in human breast cancer. *Endocrine-related Cancer* 2004; 11(4):781-91.
[Original Research] [IF=8.9]
10. Katharine Kirkpatrick, Robert Newbold, **Kefah Mokbel**. There is no correlation between c-Myc mRNA expression and telomerase activity in human breast cancer. *International Seminars in Surgical Oncology* 2004;1(1):2
[Original Research]
11. Khalifa K., Pereira B., Thomas V. A., **Mokbel K**.
The Accuracy of Intraoperative Frozen Section Analysis Of The Sentinel. Lymph Nodes During Breast Cancer Surgery. *Int. J. Fert. Women's Med.* 2004; 49(5): 208 -211**[Original Research] [IF=0.8]**
12. Gurpreet Singh-Ranger, **Kefah Mokbel**. The Sentinel Node Biopsy Is A New Standard of Care For Patients With Early Breast Cancer. *Int. J. Fert. Women's Med.* 2004; 49(5): 225 -227 **[Editorial] [IF=0.8]**
13. Jiang WG, Watkins G, Lane J, Cunnick GH, Douglas-Jones A, **Mokbel K**, Mansel RE. Prognostic Value of Rho GTPases and Rho Guanine Nucleotide Dissociation Inhibitors in Human Breast Cancers.
Clin Cancer Res. 2003;9 (17):6432-6440. **[Original Research] [IF=6.5]**
14. Leris C, **Mokbel K**. The role of mammary ductoscopy in the assessment of breast disease. *Int.J.Fert.Women's Med.* 2004;49(5):200-202 **[Editorial] [IF=0.8]**

15. Singh-Ranger G, **Mokbel K**
Capsular Contracture Following Immediate Breast Reconstruction and Sentinel Node Biopsy for Breast Cancer.
Int. Sem. Surg. Oncol. 2004;1(1):3 **[Case Report]**
16. **K. Mokbel.** Contemporary Management of DCIS.
Med. Sci. Monitor 2005;11: 86-93 **[Review]**
17. Joseph A, **Mokbel K.** Male Breast Cancer
Int.J.Fert.Women's Med. 2004;49(5):198 -199 **[Editorial] [IF=0.8]**
18. Panagiotis Gikas, Lucy Mansfield, **Kefah Mokbel.**
Do Underarm Cosmetics cause Breast Cancer? Int.J.Fert.Women's Med. 2004;49:212 -214 **[Review] [IF=0.8]**
19. Kirkpatrick K, Ongunkulade W, Elkak A, Bustin SA, Jenkins P, Ghilchik M, Newbold M, **Mokbel K.**
HTERT Expression in Human Breast Cancer and Adjacent Non-Cancerous Tissue:Correlation With Tumour Stage and C-Myc Expression.
Breast Cancer ResTreat. 2003; 77: 277-84. **[Original Research] [IF=3.13]**
20. Pereira B., **Mokbel K.**
Mammary Ductoscopy: past, present and future
Int J Clin Oncol 2005 Apr;10(2):112-6. Review **[Review]**
21. **Mokbel K.**
Risk-reducing Strategies for Breast Cancer
Int J Fertil Womens Med. 2003(6):274-277 **[Review] [IF=0.8]**
22. **Mokbel K** Focus on anastrozole and breast cancer.
Curr Med Res Opin. 2003;19(8):683-8. **[Review] [IF=2.72]**
23. **Mokbel K** Treatment of ductal carcinoma in situ of the breast: review of recent advances and future prospects.
Int J Fertil Women's Med. 2003 Sep-Oct;48(5):217-25. **[Review] [IF=0.8]**
24. Kirkpatrick K, Ogunkolade W, Elkak A, Bustin S, Jenkins P, Ghilchik M, **Mokbel K.**
The mRNA expression of cyclo-oxygenase-2 (COX-2) and vascular endothelial growth factor (VEGF) in human breast cancer.
Curr Med Res Opin. 2002;18(4):237-41. **[Original Research] [IF=2.72]**
25. Asaad M, Tamer M, **Mokbel K.**
British women's choice between sentinel node biopsy and axillary node clearance

- for breast cancer.
Curr Med Res Opin. 2003;19(6):570-4. **[Original Research]** [\[IF=2.72\]](#)
26. **Mokbel K**
Nipple endoscopy: focus on a new diagnostic tool.
Int J Fertil Womens Med. 2003 Sep-Oct;48(5):197-9. **[Editorial]** [\[IF=0.8\]](#)
 27. Cunnick GH, **Mokbel K**
Radiotherapy and tamoxifen in women with completely excised ductal carcinoma in situ.
Lancet. 2003 Oct 4;362(9390):1154. **[short communication]** [\[IF=18.34\]](#)
 28. **Mokbel K**
The evolving role of telomerase inhibitors in the treatment of cancer.
Curr Med Res Opin. 2003;19(6):470-2. **[Review]** [\[IF=2.72\]](#)
 29. Singh-Ranger G, **Mokbel K**
COX-2 inhibitors and breast cancer.
ANZ J Surg. 2003 Aug;73(8):565-6. **[Editorial]** [\[IF=0.874\]](#)
 30. Elkak AE, Newbold RF, Thomas V, **Mokbel K**.
Is telomerase reactivation associated with the down-regulation of TGF beta receptor-II expression in human breast cancer?
Cancer Cell Int. 2003 Jul 6;3(1):9. **[Original Research]**
 31. Kouriefs C, Leris AC, **Mokbel K**, et al.
Abdominal ganglioneuromas in adults.
Urol Int. 2003;71(1):110-3. **[Research]**
 32. Singh-Ranger G, **Mokbel K**. The evolving role of sentinel lymph node biopsy for breast cancer.
Eur J Surg Oncol. 2003 Jun;29(5):423-5. **[Review]** [\[IF=1.865\]](#)
 33. **Mokbel K**.
Recent advances in breast cancer: the 25th Annual San Antonio Breast Cancer Symposium.
Curr Med Res Opin. 2003;19(2):143-6. **[Conference Report]** [\[IF=2.72\]](#)
 34. **Mokbel K**. Recent advances in breast cancer: the 27th ESMO Congress 2002.
Curr Med Res Opin. 2003;19(2):141-2. **[Conference Report]** [\[IF=2.72\]](#)
 35. **Mokbel K** . Recent advances in breast cancer: the 25th Annual San Antonio Breast Cancer Symposium.
Curr Med Res Opin. 2003;19(2):143-6. **[Conference Report]** [\[IF=2.72\]](#)
 36. **Mokbel K** Newbold RF. Telomerase as a prognostic marker in breast cancer: high-throughput tissue microarray analysis of hTERT and hTR. J Pathol. 2003

Apr;199(4):542 **[short communication]**

37. **Mokbel K** Axillary node sampling or sentinel node biopsy.
Eur J Surg Oncol. 2003 Apr;29(3):288. **[short communication] [IF=1.865]**
38. Singh-Ranger G, **Mokbel K.** Breast cancer chemoprevention: additional observations.
Int J Clin Pract. 2003 Mar;57(2):155. **[short communication] [IF=1.137]**
39. Singh-Ranger G, Kirkpatrick KL, Clark GM, **Mokbel K.**
Cyclo-oxygenase-2 (COX-2) mRNA expression correlates with progesterone receptor positivity in human breast cancer.
Curr Med Res Opin. 2003;19(2):131-4. **[Original Research] [IF=2.72]**
40. **Mokbel K** Towards optimal management of ductal carcinoma in situ of the breast.
Eur J Surg Oncol. 2003 Mar;29(2):191-7. **[Review] [IF=1.865]**
41. **Mokbel K**
Current Management of Ductal Carcinoma in Situ of the Breast
Int J Clin Oncol 2003 Feb;8(1):18-22. **[Review]**
42. Kirkpatrick KL, Clarke G, Newbold RF, **Mokbel K.**
HTERT mRNA expression correlates with telomerase activity in human breast cancer. Eur.J.Surg. Oncol. 2003; 29: 321-326 **[Original Research] [IF=1.865]**
43. **Mokbel K** Breast cancer prevention.
Br J Gen Pract. 2002 Dec;52(485):972-3. **[Editorial] [IF=1.82]**
44. **Mokbel K.,** Kirkpatrick KL,
Recent advances in breast cancer (The 24th San Antonio Breast Cancer Symposium)
Curr Med Res Opinion 2002;18(1):26-9. **[Conference Report] [IF=2.72]**
45. **Mokbel K,** Leris C.
Mammography utilization among California women aged 40-49 in a managed care environment (letter)
Breast Cancer Res Treat 2002 ;73: 89-90 **[short communication] [IF=3.13]**
46. **Mokbel K,** Singh-Ranger G.
An update on chemoprevention of breast cancer
Curr Med Res Opinion 2002; 18(6):329-31. **[Review] [IF=2.72]**
47. **Mokbel K,** Elkak AE
Prospective comparison of stereotactic core biopsy and surgical excision as diagnostic procedures for breast cancer patients.
Ann Surg 2002 Apr;235(4):605 **[short communication] [IF=5.94]**

48. Singh-Ranger G, **Mokbel K.**
The role of cyclooxygenase-2 (COX-2) in breast cancer, and implications of COX-2 inhibition. Eur J Surg Oncol. 2002 Nov;28(7):729-37. **[Review]** [\[IF=1.865\]](#)
49. **Mokbel K.**
The evolving role of aromatase inhibitors in breast cancer.
Int J Clin Oncol. 2002 Oct;7(5):279-83. **[Review]**
50. **Mokbel K.** Elkak AE
The evolving role of mammary ductoscopy
Curr.Med.Res.Opin. 2002; 18 : 30-32 **[Review]** [\[IF=2.72\]](#)
51. Elkak A, **Mokbel K.**
Pure anti-estrogens
Curr.Med.Res.Opin. 2002;18 : 282-289 **[Review]** [\[IF=2.72\]](#)
52. **Mokbel K,** Leris C.
The prevention of breast cancer : an overview
Curr.Med.Res.Opin. 2001;16:252-257 **[Review]** [\[IF=2.72\]](#)
53. Kirkpatrick K, **Mokbel K.**
The significance of human telomerase reverse transcriptase (hTERT) in cancer.
Eur.J.Surg.Oncol. 2001; 27: 754-760 **[Review]** [\[IF=1.865\]](#)
54. Kouriefs C, **Mokbel K,** Lowe D, et al
Is MRI more accurate than CT in predicting the real size of adrenal tumours.
Eur.J.Surg. Oncol. 2001;27:487-490 **[Original Research]** [\[IF=1.865\]](#)
55. **Mokbel K.**
The 23rd Annual San Antonio Breast Cancer Symposium
Curr.Med.Res.Opin. 2001;16:276-284. **[Conference Report]** [\[IF=2.72\]](#)
56. Cunnick G, **Mokbel K.**
Aromatase inhibitors
Curr.Med.Res.Opin. 2001; 17:217-222 **[Review]** [\[IF=2.72\]](#)
57. **Mokbel K.**
Grading of infiltrating lobular carcinoma.
Eur.J.Surg.Oncol. 2001;27:609 **[letter]** [\[IF=1.865\]](#)
58. **Mokbel K.**
Recent Advances in Breast Cancer: The 37th ASCO Meeting
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Other publications

Mokbel K

Every Woman's Guide to Breast Disorders

LibraPharm Publishers (U.K.) published 2003. [**Authored Book**]

Other academic activities include:

Editor of the following postgraduate journals:

- Breast Cancer Reviews (published by Euromed)
- Int. Seminars in Surgical Oncology (a new journal published electronically by BioMed Central)

Editorial Board Member of The Following Journals

- Current Drug Therapy
- Current Medical Res. Opin.

Peer review referee for the following journals:

- *European Journal of Surgical Oncology : the official journal of BASO*
- *Int. J. Cancer*
- *Curr. Med. Res. Opinion (also a member of the editorial board)*
- *J. Natl. Cancer Inst.*
- *Int. J. Obs. Gyn.*
- *J Clin Pharm Ther.*
- *Future Oncol.*
- *Expert Review of Molecular Diagnostics*
- *Ann. Royal Coll. Surg. (England)*
- *European J. Biochem.*
- *Lancet*

Surgical representative on the scientific committee of St. George's Charitable Foundation Trust (since Feb. 2005).

President of Breast Cancer Hope Charity

Peer review referee for grant applications

- Cancer Research UK
- University of California Trust
- Guy's Hospital Trustees
- Sheffields Hospital Charitable Foundation
- Breast Cancer Campaign

Clinical Tutor of MSc in Cancer Biology Course (Kingston University): 2005

UK surgical representative for "The Key Innovators in Breast Cancer Forum" (2001 - 2005).

Senior Medical Advisor On Medical Technology Development (Lifeline Biotechnologies)

Advisory board member to 3 pharmaceutical companies

External examiner for PhD thesis at cardiff University (2004)

I regularly attend the following meetings

- The British Association of Surgical Oncology
- San Antonio Breast Cancer Symposium
- The European Breast Cancer Symposium
- The American Society of Clinical Oncology

Research Grants

Breast Cancer Campaign Grant (15th December 2004) (APRG1, Wnt5a and telomerase) (£ 131,000)

The Cohen Foundation (August 2004)
(APRG1, Wnt5a and telomerase) (£ 10,000)

Lifeline Biotechnologies Research Grant 2002-2005
(Mammary ductoscopy) (£ 90,000)

St George's Charitable Foundation Grant, 2001
(hTERT and Cox-2 expression in breast cancer) (£ 26,000)

Barts and The Royal London Hospitals Cancer Research Committee Grant,
2000 (hTERT and Cox-2 expression in breast cancer) (£ 8,000)

Pharmacia Unrestricted Educational Grant, 2000
(hTERT and Cox-2 expression in breast cancer) (£15,000)

AstraZeneca Unrestricted Educational Grants, 1999 – 2001 (£ 25,000)

Pharmacia Research Grant, 2001 (£ 10,000)

Miscellaneous donations 2003/2004 (£ 10,000)

FP6 Research Grant, EU, 2004 (4.6 millions Euros) as part of a team led by Prof. Robert Newbold, head of Brunel Institute of Cancer Genetics and Pharmacogenomics.
(Molecular Cancer, 3p21)

Supervised Higher Degrees (awarded)

Miss Katharine Kirkpatrick: Master of Surgery (MS), University of London, awarded 2003
“ hTERT in breast cancer” I was the only supervisor for this degree.

Mr. Giles Cunnick : Doctor of Medicine (MD), University of London, awarded 2003 (I co-supervised this with Professors W. Jiang and R. Mansel in Cardiff).

“Lymphogenesis in breast cancer”

This thesis won The Hunterian Professorship for 2004 (RCS, England)

Supervised BSc Projects (awarded)

Miss Shaheeda Farah, BSc, Kingston University, awarded 2002

“Telomerase & bcl-2 expression in breast cancer”
Miss Reem Jan, BSc, St. George’s Medical School, awarded 2002
“Telomerase & TGF-b expression in breast cancer”

Mr. James Leigh, BSc, St. George’s Medical School, awarded 2002
“Bcl-2 expression in breast cancer”

Supervised Higher Degrees (to be submitted in 2004/5)

Mr. G. Singh-Ranger, M.S., St. George’s Medical School.
“Cox-2 expression in breast cancer”

Mr. A. Elkak, M.S., St. George’s Medical School.
“Telomerase & hTERT in breast cancer”

Mr. Khalid khalifa, M.S., St. George’s Medical School.
“The potential role of tumour-infiltrating lymphocytes in breast cancer prognosis & therapy”

Miss Clare Leris M.S., St. George’s Medical School
The Role of APRG-1 and Wnt5a in Breast Cancer

Supervised PhD Students (to be submitted in 2007)

Miss Jennifer Hewitt PhD, Kingston University
The effects of exercise on relevant biological markers and quality of life of breast cancer patients

Miss Antonella Ciocce PhD, Kingston University
The effects of novel drug conjugates on breast cancer.

Mr. M. Salhab, MS, St. George’s Medical School, University of London
Dynamic Thermal Analysis of The Breast

Mr. W. Sarakbi MS, St. George’s Medical School, University of London
Mammary Ductoscopy Combined With Proteomics For Breast Cancer Detection

C. CLINICAL INTERESTS AND EXPERIENCE

I am currently consultant general surgeon with a specialist interest in breast and endocrine surgery at St. George's Hospital. In the field of breast surgery, I have specialist expertise in the management of screen-detected breast cancer, sentinel node biopsy, skin-sparing mastectomy, immediate breast reconstruction using tissue expanders and myocutaneous flaps, mammary ductoscopy, reduction mammoplasty, mastopexy, and breast augmentation. From the endocrine surgery stand-point, I am experienced in thyroid and parathyroid surgery. Furthermore, I participate in the general surgical rota (1 in 8).

I have been active in popularizing the modern techniques of breast surgery namely breast ductoscopy, sentinel node biopsy and skin-sparing mastectomy/immediate breast reconstruction through lectures, courses and publications. I am invited regularly by international institutions to teach such techniques.

In the context of development of surgical technology, I have directed the development of a 1mm fibre-optic mammary ductoscope (Mastoscope) for the early detection of breast cancer and the investigation of women presenting with pathological nipple discharge. The device as is currently manufactured by Lifeline Biotechnologies (Flourida, USA). I have been teaching this new surgical procedure 'breast ductoscopy' nationally and internationally (UK, Croatia, Egypt, Mexico, Greece and USA).

D. ADMINISTRATION

I am responsible for administering both the clinical and academic components of my activities. Academic administration responsibilities include the supervision of 3 research fellows at any time, the editorial management of two postgraduate journals and several authored books. I am also responsible for administering the financial aspects of my research activities.

REFEREES

1. Professor Robert Newbold
Head of The Institute of Cancer Genetics & Pharmacogenomics
Brunel University, UK.
2. Professor Wen G Jiang, MB, BCh, MD
Professor of Surgery and Tumour Biology Head, Metastasis &
Angiogenesis Research Group
University Department of Surgery University of Wales
College of Medicine Heath Park Cardiff, UK.