

# ***CURRICULUM VITAE***



## **JOHN MARSHALL ROWLES**

BMedSci(Hons) BMBS FRCS DM FRCS (Orth)

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## ***ABRIDGED CURRICULUM VITAE***

### ***PERSONAL DETAILS***

<i>SURNAME</i>	ROWLES
<i>FORENAMES</i>	John Marshall
<i>DATE OF BIRTH</i>	15 <sup>th</sup> May 1961
<i>UNIVERSITY EDUCATION</i>	Nottingham University Medical School 1979 - 1984
<i>ACADEMIC QUALIFICATIONS</i>	BMedSci(Hons) 1982
	BMBS 1984
	FRCS (England) 1988
	DM (Nottingham) 1993
	FRCS(orth) 1995
<i>APPOINTMENT</i>	Consultant in Orthopaedic and Trauma Surgery to Derbyshire Royal Infirmary NHS Trust, London Rd. DERBY DE1 1QY

***SPECIALIST TRAINING IN ORTHOPAEDIC AND  
TRAUMA SURGERY***

LECTURER IN ANATOMY	Queens Medical Centre	1.8.85-1.6.86
RESEARCH REGISTRAR NLDB Study Group	Queens Medical Centre Nottingham	1.2.89-30.11.90
LOCUM REGISTRAR Orthopaedic and Trauma Surgery	Derby Royal Infirmary and Bretby Hospitals Mr GK Newton, Mr T Wilton.	1.12.90-31.5.91
REGISTRAR Elective Orthopaedic Surgery	Harlow Wood Orthopaedic Mansfield Miss H Prince, Mr JK Webb Professor RC Mullholland Mr A Moulton	1.6.91-30.11.91
REGISTRAR Orthopaedic and Trauma Surgery	Derby Royal Infirmary and Bretby Hospitals Mr PG Lunn	1.12.91-31.5.92
REGISTRAR Orthopaedic and Trauma Surgery	Derby Royal Infirmary and Bretby Hospitals Mr AO Cargill, Mr AJ Henry	1.6.92-30.11.92
REGISTRAR Trauma and Accident Surgery	Queens Medical Centre Nottingham Mr GF Milligan, Mr BJ Holdsworth	1.12.92-31.5.93
SENIOR REGISTRAR Trauma and Paediatric Surgery	Queens Medical Centre Nottingham Professor CL Colton	1.6.93-30.11.93
SENIOR REGISTRAR Elective Orthopaedic Surgery	Harlow Wood Orthopaedic Mansfield Mr GF Milligan, Mr NJ Barton	1.12.93-31.5.94
SENIOR REGISTRAR Paediatric, Trauma and Orthopaedic Surgery	Queens Medical Centre and City Hospitals Nottingham Mr HJ McKim-Thomas	1.6.94-30.11.94

SENIOR REGISTRAR Elective Orthopaedic Surgery	Harlow Wood Orthopaedic Mansfield Professor WA Wallace, Mr SP Frostick	1.12.94-31.3.95
SENIOR REGISTRAR Orthopaedic and Trauma Surgery	Derby Royal Infirmary and Bretby Hospitals Mr RC Quinnell	1.4.95-30.8.95

## **HONOURY POSITION**

Honoury clinical teacher to Nottingham Medical School

## **EDITOR**

DoctorOnline. Nhs.uk

## ***RESEARCH***

Following the M1 Kegworth air crash on the 8 January 1989. I collated clinical material and documented the injuries sustained by victims of the air crash.

As a result of research carried out, a number of review articles and publications of the findings of the accident have been produced. In addition I have extensively lectured and given scientific papers, both nationally and internationally, on aspects related to the incident. A major finding of the study was to identify a new crash 'brace' position that will protect occupants involved in an impact air crash.

*Thesis :- Impact Biomechanics of the Pelvis and Lower Limbs In Impact Aircraft Accidents*

From the clinical data collected from the M1 air crash it became apparent that preconceived ideas as to injury causation may be incorrect. The studies indicated that severe lower limb injuries could be sustained in the absence of secondary impacts, and that the position the lower limbs adopt can effect the injuries seen.

*Book :- The Management of Disasters and Their Aftermath. Editors :- WA Wallace JM Rowles CL Colton*

As a result of my time spent in research I developed an interest in the management of disasters. This culminated in the production of a book outlining our experiences from the air crash as well as experiences gained from other disasters.

## ***SPECIAL EXPERIENCE***

*Media Experience :-* As research registrar to a high profile research group I became extensively involved with the mass media. Ultimately this resulted in the production of a documentary on the M1 air crash for the BBC.

John M Rowles Limited (Company Number 07580715)  
Derbyshire Orthopaedic Consultants LLP (Company number 2274471)

*Medical Officer Donington Racing Circuit* :- In 1987 I became one of the regular medical officers at Donington racing circuit

## ***PUBLICATIONS***

### 1. *Papers:*

Smith EJ, Rowles JM.

*"An Increasing Seasonal Sports Injury."*

The Practitioner 1988; 232: 1385-1386.

Kirsh G, Learmonth DJA, Martindale JP, and the Nottingham, Leicester, Derby Aircraft Accident Study Group.

*"The Nottingham, Leicester, Derby aircraft accident study: Preliminary report three weeks after the accident."*

British Medical Journal 1989; 298: 503-505.

Rowles JM, and the NLDB Study.

*"Injury severity score as a predictor of hospital stay."*

The Health Service Journal June 7 1990; 848-849.

Morgan WE, Salama FD, Beggs FD, Firman R, Rowles JM, and the NLDB Study.

*"Thoracic injuries sustained by the survivors of the M1 air crash."*

European Journal of Cardio-thoracic surgery 1990; 4: 417-420.

Rowles JM, Robertson C, Roberts SNJ, and the NLDB Study.

*"General surgical injuries in survivors of the M1 Kegworth air crash."*

Annals of the Royal College of Surgeons of England 1990; 72: 378-381.

Wallace WA, Rowles JM and Haidar R.

*"Computer simulation of impact and correlation with body injuries."*

Proceedings of the 'European Cabin Safety Conference.' 1990; CAP 583: 211-219.

McConachie NS, Wilson FMA, Preston BJ, Gregson RHS, Jaspan T, Rowles JM and Hellier M.

*"The impact of the M1 air crash on the radiology services at Queen's Medical Centre, Nottingham."*

Clinical Radiology 1990; 42(5): 317-320.

White BD, Rowles JM, Mumford C, Firth JL.

*"Head injuries in the M1 Boeing 737 air crash."*

British Journal of Neurosurgery 1990; 4(6): 503-501.

Rowles JM, Learmonth DJA and Martindale JP.

*"Injuries sustained by the survivors."*

Proceedings of 'The M1 Kegworth Air Accident - Engineering & Medical Aspects of survivability.'

Institution of Mechanical Engineers 1991; 35-49.

White BD, Rowles JM, Mumford CJ and Firth JL.

*"Head injuries in the M1 Boeing 737 - Disaster suggestions to improve air crash survival."*

Proceedings of 'The M1 Kegworth Air Accident - Engineering & Medical Aspects of survivability.'

Institution of Mechanical Engineers 1991; 88-98.

Hall DJ, Rowles JM and Webb JK.

*"Spinal injuries from the M1 air crash."*

Proceedings of 'The M1 Kegworth Air Accident - Engineering & Medical

Aspects of survivability.'

Institution of Mechanical Engineers 1991; 97-104.

Learmonth DJA, Rowles JM, Martindale JP, Tait GR, Kirsh G, Sheppard I, and the NLDB Study.

*"Initial management of open fractures sustained in the M1 disaster."*

Injury 1991; 22(3): 207-211.

Rowles JM, Learmonth DJA, Tait GR, Macey AC, and the NLDB Study.

*"Survivors of the M1 air crash. Outcome of injuries after one year."*

Injury 1991 ; 22(5): 363-364.

Tait G, Rowles JM, Kirsh G, Martindale JP, Learmonth DJA, and the NLDB Study.

*"Delayed diagnosis of injuries from the M1 aircraft accident."*

Injury 1991; 22(6): 475-485.

Rowles JM, Kirsh G, Macey AC, and Colton CL.  
*"The use of Injury Scoring in the evaluation of the Kegworth M1 air crash."*  
Journal of Trauma 1992; 32(4): 441-447.

Rowles JM, Wallace WA and Anton DJ.  
*"Can injury scoring techniques provide additional information for crash investigators."*  
In AGARD proceedings CP-532: Aircraft Accidents - trends in Aerospace medical investigation techniques. September 1992; paper no. 12.

Rowles JM, Brownson P, Anton DJ and Wallace WA.  
*"Is Axial loading a Primary Mechanism of Injury to the lower limb in an Impact Aircraft Accident?"*

In AGARD proceedings CP-532: Aircraft Accidents - trends in Aerospace medical investigation techniques. September 1992; paper no 13.

White BD, Rowles JM and Firth JL.  
*"The effects of structural failure on injuries sustained in the M1 Boeing 737 disaster January 1989."*  
Aviation, Space and Environmental Medicine 1993; 64(2): 95-102.

White BD, Rowles JM and Firth JL.  
*"The effects of brace position on the injuries sustained in the M1 Boeing 737 disaster January 1989."*  
Aviation, Space and Environmental Medicine 1993; 64(2): 103-109.

Wallace WA, Brownson P, Rowles JM, Haidar R and Anton.  
"Conclusions from the 5 year Research Programme on the M1 (Kegworth) Air crash."  
Proceedings of the Cabin Safety, Atlantic City November 1995

K Hawkins, B Gooding, J Rowles (Derby)  
"A comparison of patient satisfaction of service provided by Patient Choice hospital versus an index hospital in total knee replacement surgery"  
Presented at the British Orthopaedic Association Annual congress 2007

Jonathan Clamp, Dean SR Baiju, David P Copas, James W Hutchinson, John M Rowles  
*"Do Independent Sector Treatment Centres (ISTCO) impact on specialist registrar training in primary hip and knee arthroplasty?"*  
Annals of the Royal College of Surgeons England (volume 90 no 6 September 2008)

## 2. Books and book chapters:

Balls M, Clothier RH, Rowles JM, Bennett GN.  
*"TRH distribution levels and significance during development of Xenopus Laevis."*

'Metamorphosis' 1985; 260-272. Oxford University Press.

Rowles JM and Kirsh G.

*"The management of major disasters."*

'Recent advances in Orthopaedics 6' 1992; 133-144. Editor A. Catterall.  
Publisher Churchill Livingstone.

Editors:- Wallace WA, Rowles JM and Colton CL.

*"The Management of Disasters and their Aftermath."*

Publisher BMJ Publishing Group 1994.

Rowles JM and Bouch DC

*"The injuries sustained in the M1 plane crash"*

'The Management of Disasters and their Aftermath.' 1994; 29-46.

Wallace WA, Rowles JM, Brownson P and Colton CL.

*"The Nottingham, Leicester, Derby, Belfast (NLDB) studies."*

'The Management of Disasters and their Aftermath. 1994; 121-130.

Badhe S., Baiju D., Elliott r., Rowles J. and Calthorpe D.

*"The 'silent' compartment syndrome"*

Injury volume 40, issue 2, February 2009, pages 220-222

### 3. Reports:

*NLDB report on the M1 Aircraft Accident: Boeing 737- 400 on 8 January 1989 near Kegworth, Leicestershire.*

University of Nottingham October 1990.

HW Structure and NLDB Study Group.

*"Occupant modelling in aircraft crash conditions."*

CAA paper 90012 October 1990

Editors :- Wallace WA and Rowles JM.

*"The M1 Kegworth Air Accident - Engineering & Medical Aspects of survivability."*

Publisher Institution of Mechanical Engineers January 1991

4. *Thesis:*

*"Studies on TRH Distribution in Xenopus Laevis and TRH Synthesis in Cultured Rana Pipiens Skin."*

Degree of Bachelor of Medical Sciences, University of Nottingham 1982.

*"Impact Biomechanics of the Pelvis and Lower Limb in Impact Aircraft Accidents."*

Degree of Doctor of Medicine, University of Nottingham 1993.

5. *Articles:*

Rowles JM.

*"Three cities combine to analyse M1 crash injuries."*

University of Nottingham News Letter March 1989; 1.

*TEACHING*

Teach on basic surgical techniques course.

Education Supervisor

July 2006 ongoing

***PREVIOUS MEDICO-LEGAL EXPERIENCE***

I have been undertaking medico-legal work since 1994 when a Senior Registrar. Since becoming a Consultant Orthopaedic Surgeon in September of 1995, I have increasingly undertaken more medico-legal work.

At present I take instructions from over 600 cases per year. I undertake both Plaintiff and Defence work and have also undertaken medical negligence work. I have also been involved in Hospital Independent Review Bodies.

In the course of my medico-legal practice, I have been required to give evidence in Court, as well as attend Conferences with Counsel.

If references are required with regard to aspects of my work, I would be more than happy to supply names of instructing Solicitors for Plaintiff, Defence or negligence work.

I am currently a member of the editorial board for DoctorOnline.nhs.uk by invitation.

## **COURSES AND CONFERENCES ATTENDED**

Rowley Bristow Orthopaedic Course	April 1988
St. Thomas' Final FRCS Course	September 1988
Ionising Radiation Regulations 1988, Nottingham	June 1989
Irish Orthopaedic Association, Londonderry	May 1989
International Aviation Emergency Management Donnington, Derby.	October 1989
Wrightington hip course	November 1989
European Cabin Safety Conference, Gatwick	September 1990
AO Course - Principles and Techniques of Internal fixation of fractures, Nottingham	September 1992
Advanced Trauma Life Support Course Nottingham	August 1993
Scaphoid Fractures and Nonunions, Nottingham	March 1994
International Conference on Orthopaedic Trauma Manchester	April 1994
Advanced AO Fracture Fixation Course, Nottingham	September 1994
British Orthopaedic Association, Nottingham	September 1994
Basic Sciences Course, Leicester University	October 1994
Management Course, RCS London	December 1994
Hip and Knee Arthroplasty Symposium – Pinehurst America 1995	October

Exeter Hip Course - Switzerland	March 1996
Exeter Hip Course – Exeter	April 1996
Int. Ass Orthopaedics Research (AFOR) Course in Osteosynthesis and joint replacement	January 1997
European Trauma and Arthroplasty Course – Switzerland	June 1997
Bond Solon - 'The Experts in Witness Training' - London	June 1999
The Malkin Lecture (Scientific) - Nottingham City Hospital	June 1999
The Nottingham Knee Symposium - Nottingham City Hospital	October 1999
Bond Solon – Expert Witness Conference – London	November 1999
Second International Trauma Symposium – Leysin Switzerland	February 2000
Lower Limb Fracture Bracing Course – Chesterfield Royal Hospital	March 2000
Lecture and demonstration on Trauma Workshop for Nurses On Principles of Trauma Management	June 2000
Malkin Memorial Lecture – Nottingham City Hospital	June 2000
‘State of the Art in Orthopaedics 2001’ and ‘State of the Art in Spine Surgery 2001’ - British Columbia, Canada	March 2001
“Orthopaedic Problems in General Practice” talk to local General Practitioners	November 2001
“Orthopaedic Scorpio Knee Forum” Prague Czech Republic	October 2003
Edinburgh Orthopaedic Knee Arthroplasty Course	June 2004
London Hip Meeting	March 2005
Job Planning Meeting - Sheffield	28 <sup>th</sup> April 2005
Stryker High Performance Knee Course Seville, Spain	13-14 <sup>th</sup> May 2005
International Trauma Symposium, Athens	30 <sup>th</sup> – 31 <sup>st</sup> March 2006
Foundation Programme Assessor Training – Tools of the Trade	12 <sup>th</sup> October 2006
Mobile Doctors Limited, Examiner Conference	10 <sup>th</sup> -11 <sup>th</sup> November 2006

London Hip Meeting	25 <sup>th</sup> April 2007
Foundation Programme Assessor Training	11 <sup>th</sup> May 2007
Masterclass in Foot and Ankle Surgery (Leeds)	6 <sup>th</sup> -8 <sup>th</sup> June 2007
Edinburgh International Trauma Symposium 2007	22 <sup>nd</sup> – 24 <sup>th</sup> August 2007
British Orthopaedic Association Annual Congress	25 <sup>th</sup> – 28 <sup>th</sup> September 2007
UK Triathlon Knee Launch Meeting 2008	5 <sup>th</sup> – 6 <sup>th</sup> February 2008
Complex and Revision Knee Arthroplasty Meeting	25 <sup>th</sup> – 26 <sup>th</sup> September 2008
Great Expectations 2009 Stryker Knee Symposium	19 <sup>th</sup> – 20 <sup>th</sup> March 2009
Hip Symposium: Debating Solutions in Total Hip Replacement (DePuy Institute)	26 <sup>th</sup> – 28 <sup>th</sup> May 2010
Official Guide to Strengthened Appraisal and Revalidation	30 <sup>th</sup> June 2010
12 <sup>th</sup> Meeting of the Combined Orthopaedic Associations Glasgow, Scotland	12th – 17th September 2010
Oxford Knee Symposium	22 <sup>nd</sup> – 24 <sup>th</sup> March 2011