

Nick Birch: Curriculum Vitae

Degrees and Diplomas

BA (Hons)	Cambridge	1982
MB BS	London	1985
FRCS	RCS England	1989
FRCS (ORTH)	RCS England	1996

Substantive Appointments

NHS Consultant	(Northampton)	1996 – 2002
Independent Consultant	(Northampton & Kettering)	2002 - present

Memberships / Fellowships

Fellow of the Royal College of Surgeons of England
Fellow of the British Orthopaedic Association
Member of the British Association of Spinal Surgeons
Member of the Society for Back Pain Research
Member of the Spine Arthroplasty Society

Awards

National Health Service Discretionary Points Award **2002**

Academic Affiliations

Visiting Lecturer at the University of Hertfordshire School of Postgraduate Radiography
Visiting Lecturer at the University of Warwick Medical School (Orthopaedic Department)

Publications in International Peer Review Journals

British Journal of Urology: 1988, 62; 571-575.

Serial Residual Volumes in Men with Prostatic Hypertrophy

N.C. Birch, G.Hurst & P.T. Doyle

Journal of Bone & Joint Surgery: 1993, 75-B; 650-652.

Anti-inflammatory Drug Therapy after Arthroscopy of the Knee

N.C. Birch, C. Sly, S. Brooks & D.P. Powles

Annals of the Royal College of Surgeons of England: 1993, 75; 422-425.

Closing the Audit Circle - The Effect of Continuing Audit on Arthroscopic Practice

N.C. Birch, D.P. Powles, J.H. Dorrell & P. Brooks

Annals of the Royal College of Surgeons of England: 1994, 76; 396-400.

Current Attitudes to Cementing Techniques in British Hip Surgery

A. Hashemi-Nejad, N.C. Birch and N.J. Goddard

Health Trends: 1994, 26 (2); 50-52.

The Investigation of Disorders of the Knee; Indications and a Cost-comparison of Arthroscopy and Magnetic Resonance Imaging .

N.C. Birch, D.P. Powles, J.H. Dorrell & P. Brooks

Annals of the Royal College of Surgeons of England: 1997, 79 (1); 51-54
The Influence of Protective Surgical Gloves on Surgeons' Motor and Sensory Function
M. Phillips, N. C. Birch & W. J. Ribbans

Journal of the Royal Society of Medicine: 1998, 91: 573-575.
Knee Pain and the Infrapatellar Branch of the Saphenous Nerve.
T D Tennent, N C Birch, M J Holmes, R Birch & N J Goddard

Indian Journal of Orthopaedics: 2000, 34 (7): 191 - 193
Acute Compartment Syndrome of the Lower Leg after Ankle Diastasis and Maisonneuve Fracture
Sahir shaik, Fernando Villanueva-Lopez, Nicholas C. Birch, Edward J. P. Crawford

Journal of Spinal Disorders & Techniques: 2003, 16 (3): 285-287.
Delayed Presentation of Septic Arthritis of a Lumbar Facet Joint after Diagnostic Facet Joint Injection
Neil M. Orpen & Nick C. Birch

Spine: 2003, 28 (18): E364-E367.
Avascular Necrosis of the Femoral Head After Surgery for Lumbar Spinal Stenosis
Neil Orpen, MRCS, Graham Walker, FFARCS, Neil Fairlie, FRCR, Stuart Coghill, FRCPath, Nick Birch FRCS (Orth)

European Journal of Emergency Medicine: 2004; 11(3):148-150
Microscooter injuries in the paediatric population.
Aslam N, Gwilym S, Apostolou, C, Birch, N, Natarajan, R, Ribbans, W.

Journal of Spinal Disorders and Techniques: 2004, 17 (5): 442 – 445
Facet Joint Cysts Causing Cauda Equina Compression.
Matt Shaw and Nick Birch.

Journal of Spinal Disorders and Techniques: 2005, 18 (1): 29-33
The Clinical Relevance of Tarlov Cysts
Andy Langdown, Jules Grundy, Nick Birch

The Internet Journal of Spine Surgery. 2005. Volume 1 Number 2.
The Management Of Incidental Serious Pathology During Elective Anterior Lumbar Spine Surgery: A Case Of Retroperitoneal Paraganglioma And Review Of The Literature.
David Noyes, Matt Shaw, Nick C. Birch:

The Internet Journal of Spine Surgery. 2005. Volume 1 Number 2.
Clinical Outcomes of Circumferential Spinal Fusion Do Not Match Radiological Results Despite Rigorous Patient Selection.
Stephen Gwilym, Daniel Neen, Nick Birch

Spine: 2006, 31 (18): E636 –E640.
Healos and Bone Marrow Aspirate Used for Lumbar Spine Fusion: A Case Controlled Study Comparing Healos with Autograft
Daniel Neen MRCS, David Noyes MRCS, Matthew Shaw MRCS, Steve Gwilym MRCS, Neil Fairlie, FRCR, Nicholas Birch FRCS (Orth)

Journal of Spinal Disorders and Techniques: 2009, 22 (6): 434-438
Macroscopic and Histologic Analyses of De Nove Bone in the Posterior Spine at Time of Spinal Implant Removal
Nick Birch, Winster D'Souza

Chapters in Textbooks

“Infections and Inflammatory Diseases of the Spine” in “Management of Spinal Disorders” eds. Singh D & Hashemi-Nejad A: 1998: 165 – 186. N.C.Birch & B.A.Taylor

The Royal College of Surgeons of England Distance Learning Programme (STEP™): Module VIII (Orthopaedics); Convenors N. Birch and STEP™ 2000 Editor-in-Chief, W. J. Ribbans

“Non-Traumatic Conditions of the Spine and Central Nervous System” in “STEP 2000” ed. W J Ribbans for the Royal College of Surgeons of England. 2001: N C Birch and J Owen
“Orthopaedics of the Lower Limb” in “STEP 2000” ed. W J Ribbans for the Royal College of Surgeons of England. 2001: N C Birch, B. Bradnock, W.J. Ribbans, D. Singh, D. Sweetnam, V. Mahadevan

Basic Sciences of Spinal Conditions; Royal College of Surgeons of England Intermediate Spinal Skills Manual

Papers in International Non Peer-Reviewed Journals / Books / Proceedings

Orthopaedic News; 1994, 16(2); 2

A Modified Technique of Spinal Fusion

N.C. Birch, A. Hashemi-Nejad & J.J.H. Mulnier

International Symposium on Orthopaedic Problems in the Haemophilia's - June 1993; Editors: P.L. Melanotte and A. Africano. Published by Lagedv S.A., Castelfranco, Italy.

The Economics of Total Knee Arthroplasty in Haemophilia; 25-38

N.C. Birch, W.J. Ribbans, E. Goldman and C.A. Lee

HIV and Surgery in Haemophilia; 83-90

N.C. Birch, W.J. Ribbans & C.A. Lee

In Touch – Quarterly Journal of the Organisation of Physiotherapists in Private Practice – July 2003; Number 103.

Why Most People With Back Pain Don't Need Spinal Surgery

British Institute of Radiology News – Autumn 2007; p 6 -7

Steve Thompson and the Curse of the Webb Ellis Cup

13th European Congress of Neurosurgery International Proceedings, September 2007

The Biology of Spinal Fusion

General Practice Update, April 2008, Vol 1 (4); p 27-37

The Clinical Management of Non-specific Low Back Pain

Book Reviews

Journal of Bone and Joint Surgery [Br] 1995; 77-B: 838-840

Instrumented Spinal Fusion. Preoperative evaluation, Indications and Techniques

Eds: Wittenberg and Steffen .

Injury; 1997; 28(8): 574

Management of Open Fractures

C.M. Court-Brown, M.M. McQueen & A.A. Quaba

Letters

The Times, London. October 9th 1991

Casualty Treatment

Hospital Doctor. January 28th 1993

Improve training of A&E frontline staff

Journal of Bone and Joint Surgery: 1994, 76-B: 165

Knee Replacement in Severe Haemophilia

Journal of Bone and Joint Surgery: 1994, 76-B: 335

Management After Arthroscopy

Health Trends: 1995, 26 (4): 123

Arthroscopy and MRI of the knee..

Journal of Bone and Joint Surgery: 1997, 79-B:170

Reamed or Unreamed Nailing for Closed Tibial Fractures

Spine: 2002, 27(17): 1954-1955

Lumbar disc excision in children and adolescents

Journal of Bone and Joint Surgery: 2003, 85-B: 1209

The provision of services for spinal disorders

Spine: 2004, 29 (1): 106-107

Retrograde Ejaculation After Anterior Lumbar Interbody Fusion

Spine: 2004, 29 (10): 1162 – 1163

Autologous Growth Factors and Lumbar Intertransverse Fusions

Abstracts

Journal of Bone and Joint Surgery; 1994, 76-B (Suppl. 1); 44.

Total Knee Arthroplasty in Severe Haemophilia

N.C. Birch, W.J. Ribbans, E. Goldman & C.A. Lee

Journal of Bone and Joint Surgery; 1994, 76-B (Suppl. 1); 44.

Posterior Lumbar Interbody Fusion Stabilised With The Hartshill Rectangle

N.C. Birch, A. Hashemi-Nejad & J.J.H. Mulnier

Journal of Bone and Joint Surgery; 1996, 78-B (Suppl. 1); 49.

Stryker Pedicle Screw Fixation for Spondylolisthesis

I.P. McLean, N.C. Birch, B.A.Taylor & M.A. Edgar

Journal of Bone and Joint Surgery; 1996, 78-B (Suppl. II); 161.

Single Stage Anterior Reconstruction Alone For Thoracolumbar Burst Fractures

I. J .Braithwaite, W. Burgoyne, N. C. Birch, B. Taylor and H. Noordeen

Journal of Bone and Joint Surgery; 1996, 79-B (Suppl. 1); 104.

Protective Gloves for Use in High Risk Patients: How Much Do They Affect the Dexterity of the Surgeon?

A.M. Phillips, N.C.Birch, W.J.Ribbans

Journal of Bone and Joint Surgery; 2000, 82-B (Suppl. III); 212.

Very Early McKenzie Protocol Intervention For Back Pain in Hospital Workers

J E Owen, N Orpen, K Ayris and N C Birch

European Spine Journal: 2000, 9 (4):324

Open Access Physiotherapy for Back Pain in a Hospital Environment
J E Owen, N Orpen, K Ayris and N C Birch

European Spine Journal: 2002, 11:189

Healos Bone Graft Substitute in Lumbar Interbody Fusion
J Auld, N Birch

European Spine Journal: 2003, 12: S2

Tarlov Cysts: Not Always an Incidental Finding
N Birch, A Langdown, N Fairlie, J Grundy

European Spine Journal: 2003, 12: S68-69

Healos Bone Graft Substitute Used in Lumbar Spinal Fusions: A Case Controlled Study Comparing Healos Used With Bone Marrow Aspirate with Autograft
N Birch, M Shaw, J Auld, S Gwilym

European Spine Journal: 2003, 12: S69

Selection Criteria are the Most Important Predictors of Success in 360° Fusions Using the Brantigan ALIF Cage and Diapason Pedicle Screws
N Birch, S Gwilym, N Aslam

Journal of Bone and Joint Surgery; 2003, 85-B (Suppl. III); 285.

Posterior Lumbar Interbody Fusion (PLIF) As A Primary Treatment for Pan-Annular Failure Presenting as a Central Disc Herniation: Medium Term (2 to 5 year) Follow-up
N. Birch, S. Grannum, N. Aslam

Journal of Bone and Joint Surgery; 2003, 85-B (Suppl. III); 287.

Tarlov Cysts - Not Always an Incidental Finding
N Birch, J Grundy, A. Langdown

Journal of Bone and Joint Surgery; 2003, 85-B (Suppl. III); 288.

Early Results of Stabilis – A New Two-Part Stand-Alone Anterior Interbody Fusion (ALIF) Device – An Alternative To 360° Fusion
N. Birch, S. Gwilym, M. Shaw

Journal of Bone and Joint Surgery; 2003, 85-B (Suppl. III); 288.

Avascular Necrosis of the Femoral Head After Surgery for Lumbar Spinal Stenosis
N. Birch, N. Orpen

Journal of Bone and Joint Surgery; 2003, 85-B (Suppl. III); 288.

Selection Criteria are the Most Important Predictors of Success in 360° Fusions Using the Brantigan ALIF Cage and Diapason Pedicle Screws
N Birch, S Gwilym, N Aslam

Journal of Bone and Joint Surgery; 2004, 86-B (Suppl. I); 89 - 90.

Posterior Lumbar Interbody Fusion (PLIF) As A Primary Treatment for Pan-Annular Failure Presenting as a Central Disc Herniation: Medium Term (2 to 5 year) Follow-up
Nick Birch, Sean Grannum, Nadim Aslam

Journal of Bone and Joint Surgery; 2004, 86-B (Suppl. I); 91.

Tarlov Cysts - Not Always an Incidental Finding
Nick Birch, Jules Grundy, Andy Langdown

Journal of Bone and Joint Surgery; 2004, 86-B (Suppl. I); 92.

Early Results of Stabilis – A New Two-Part Stand-Alone Anterior Interbody Fusion (ALIF) Device – An Alternative To 360° Fusion
Nick Birch, Steve Gwilym, Matt Shaw

Journal of Bone and Joint Surgery; 2004, 86-B (Suppl. I); 92.

Avascular Necrosis of the Femoral Head After Surgery for Lumbar Spinal Stenosis
Nick Birch, Neil Orpen

Journal of Bone and Joint Surgery; 2004, 86-B (Suppl. I); 92 - 93.

Selection Criteria are the Most Important Predictors of Success in 360° Fusions Using the Brantigan ALIF Cage and Diapason Pedicle Screws
Nick Birch, Steve Gwilym, Nadim Aslam

The Spine Journal; 2004, 4 (5S); 90S – 91S

Clinical Outcomes of Circumferential Spinal Fusion do Not Match Radiological Results Despite Rigorous Selection.
Nick Birch and Steve Gwilym

Journal of Bone and Joint Surgery; 2005, 87-B (Suppl. II); 212.

Clinical and Radiographic Evaluation of Stand-Alone Cages Used For Anterior Lumbar Interbody Fusion
J. Gilbody, H. Dashti, N. Birch. R. Ross

Journal of Bone and Joint Surgery; 2005, 87-B (Suppl. III); 234.

Autologous Growth Factor and Thrombin Spray Used to Reduce Post-Operative Blood Loss in Posterior Spinal Fusion
David Noyes, Matt Shaw, Nick Birch

Journal of Bone and Joint Surgery; 2005, 87-B (Suppl. III); 239.

Motor Evoked Potential Monitoring of The L3 to S1 Nerve Roots in Instrumented Lumbar Spine Surgery
David Noyes, Graham Walker, Nick Birch

The Spine Journal; 2006, 6 (5S); 20S

Intra-Operative EMG Monitoring of the L3 to S1 Nerve Roots During Instrumented Posterior Lumbar Spine Surgery
Daniel Neen, David Noyes, Graham Walker, Nick Birch

Journal of Bone and Joint Surgery; 2008, 90-B (Suppl. II); 223.

Comparing the Oswestry Disability Index and Low Back Outcome Score – Are They true Representations of Outcome? Implications for Future Spinal Research
Daniel Neen, Nick Birch

Journal of Bone and Joint Surgery; 2008, 90-B (Suppl. III); 456.

Prosthetic Disc Nucleus (PDN-Solo and PDN-Solo XL) Performance 18 to 36 months After Anterior Implantation in the Lumbar Spine
Dan Neen, Nick Birch

Journal of Bone and Joint Surgery; 2009, 91-B (Suppl. III); 478-479.

What Outcomes Tool Will Best Suit Surgeons With Busy Low Back Practices in the Era of Revalidation and Relicensing?
D'Souza W, Birch N

Journal of Bone and Joint Surgery; 2009, 91-B (Suppl. III); 479.

“The Law of Unintended Consequences” in New Spinal Technology: Does the Failure of The PDN Solo Suggest the Need for a European Equivalent of the FDA?
D'Souza W, Neen D, Birch N

Journal of Bone and Joint Surgery; 2009, 91-B (Suppl. III); 479.

The Outcome of Treatment For Lumbar Intervertebral Disc Disease in Two Groups of Adolescents: Those Who Play High Level Sport and Those Who Don't
Birch N, D'Souza W, Isaac A

Internet Only Publications

HEALOS® Bone Graft Substitute in Spinal and Fracture Surgery
Author : Dr. Birch, Northampton, General Hospital Orthopaedics
http://www.ars-arthro-ag.de/en/news_down_healos.php

Presentations to National & International Societies

- | | |
|--|-------------|
| British Association of Urological Surgeons, Buxton, Derbyshire
<i>Serial Residual Volumes in Men with Prostatic Hypertrophy</i> | 1988 |
| The Royal Society of Medicine, London
<i>MRI or Arthroscopy of the Knee - The Cost-Benefit Equation</i>
<i>Recovery After Arthroscopy: A Randomised Controlled Trial of Diclofenac</i> | 1991 |
| XXth International Congress of The World Federation of Haemophilia, Athens, Greece
<i>Total Knee Arthroplasty in Severe Haemophilia</i>
<i>Shoulder Replacement in a Patient with Haemophilia</i> | 1992 |
| The Royal Society of Medicine, London
<i>Knee Replacement in Haemophilic Arthritis</i> | 1992 |
| The Musculo-Skeletal Committee of the World Federation of Haemophilia - Biannual Scientific Congress, Castelfranco, Italy
<i>The Economics of Knee Replacement in Severe Haemophilia</i>
<i>HIV, the Surgeon & Disease Progression in Haemophilia</i> | 1993 |
| The British Orthopaedic Association, Annual Scientific Meeting, Torquay
<i>Total Knee Replacement in Severe Haemophilia</i>
<i>Posterior Lumbar Interbody Fusion Stabilised With The Hartshill Rectangle</i> | 1993 |
| The Bristol International Hip Meeting,
<i>Current cementing techniques among British Orthopaedic Surgeons</i> | 1993 |
| XXIst International Congress of the World Federation of Haemophilia, Mexico City,
<i>The Economics of Knee Replacement in Haemophilia;</i>
<i>HIV, the Surgeon and Haemophilia</i>
<i>Orthopaedic Solutions for the Haemophilic Ankle</i> | 1994 |
| Eurospine, London
<i>Titanium Pedicle Screw Systems in Spinal Fusion</i> | 1994 |
| Society of British Orthopaedic Spinal Surgeons, London
<i>Pedicle Screw Fixation Devices in Degenerative and Traumatic Conditions of the Spine</i>
<i>Anterior Vertebral Reconstruction Using Titanium Cages and Plates</i> | 1995 |

European Spine Society, Noordwijk am See, Holland	1995
<i>Titanium Alloy Spinal Implants - Do We Know Enough?</i>	
<i>Biomechanical Testing of The Hartshill Rectangle and Pedicular Screw Bridge Construct</i>	
<i>Biomechanical Test Profile of the Moss-Miami Spinal Fixation System</i>	
British Orthopaedic Association Annual Meeting, Cardiff	1997
<i>Anticipated recovery pathways: total quality management applied to cemented hip replacement</i>	
Society for Back Pain Research, Cardiff	1999
<i>Very early McKenzie protocol intervention for back pain in hospital workers</i>	
South African Orthopaedic Association, Cape Town	2000
<i>Radiological Results of Lumbar Interbody Fusion Using PEEK (Poly-ether-ether-ketone) Cages</i>	
European Spine Society Annual Meeting, Antwerp, Belgium	2000
<i>McKenzie Protocol Physiotherapy in an Occupational Setting – Can Work Absence from Back Pain be Reduced?</i>	
Biotechnologies in Spinal Surgery, Halle, Germany	2002
<i>Healos Bone Graft Substitute in Lumbar Interbody Fusion</i>	
Spine Society of Australia, Canberra	2003
<i>Posterior lumbar interbody fusion for panannular disc failure: two to five year follow-up</i>	
<i>Tarlov Cysts: Not always an incidental finding</i>	
<i>Circumferential fusion using the Brantigan ALIF cage and Diapason pedicle screw instrumentation: two to five year follow-up</i>	
<i>Avascular necrosis of the femoral head following hypotensive spinal surgery</i>	
<i>Stabilis – a stand alone anterior interbody fusion implant: early results</i>	
EFORT 2003, Helsinki	2003
<i>Tarlov Cysts: Not always an incidental finding</i>	
Spine Society of Europe Annual Meeting, Prague, Czech Republic	2003
<i>Healos Bone Graft Substitute Used in Lumbar Spine Fusions: A Case Controlled Study Comparing Healos Used With Bone Marrow Aspirate and Autograft</i>	
<i>Tarlov Cysts: Not always an incidental finding</i>	
<i>Selection Criteria Are The Most Important Predictors of Success in 360° Fusions Using the Brantigan ALIF Cage and Diapason Pedicle Screws</i>	
BritSpine 2004, Nottingham, UK	2004
<i>Autologous Growth Factors and thrombin spray used to reduce post-operative blood loss in posterior spinal fusion</i>	
<i>Motor evoked potential monitoring of the L3 to S1 nerve roots in instrumented Lumbar spine surgery</i>	
International Society for Study of the Lumbar Spine (ISSLS), Porto, Portugal	2004
<i>Autologous Growth Factors and thrombin spray used to reduce post-operative blood loss in posterior spinal fusion</i>	
<i>Motor evoked potential monitoring of the L3 to S1 nerve roots in instrumented Lumbar spine surgery</i>	

- North American Spine Society, 19th Annual Meeting** **2004**
Chicago, USA
Clinical Outcomes of Circumferential Spinal Fusion do Not Match Radiological Results Despite Rigorous Selection.
- Society for Back Pain Research, Leicester, UK** **2004**
Clinical And Radiographic Evaluation of Stand-Alone Cages Used For Anterior Lumbar Interbody Fusion
- SA5: 5th Spine Arthroplasty Society Annual Meeting, New York, US** **2005**
Management of complications following anterior implantation of the Solo Prosthetic Disc Nucleus (PDN)
- EFORT 2005, Lisbon, Portugal** **2005**
Orthogem Tripore a New Generation Synthetic Bone Graft Compared to Vitoss at Six and Twelve Weeks Post Implantation in vivo
- Spine Society of Europe, Barcelona, Spain** **2005**
Clinical and Radiological Evaluation of Anterior Lumbar Interbody Fusion Using Stand-alone Interbody Cages
- Society for Back Pain Research, Warwick, UK** **2005**
Comparing the Oswestry Disability Index and Low Back Outcome Score – Are They True Representations of Outcome? Implications for Future Spinal Research
- BritSpine 2006, Cardiff, UK** **2006**
Prosthetic Disc Nucleus (PDN-Solo and PDN-Solo XL): Performance 18 to 36 Months After Implantation in the Lumbar Spine
- North American Spine Society, 21st Annual Meeting** **2006**
Seattle, USA
Intra-Operative EMG Monitoring of the L3 to S1 Nerve Roots During Instrumented Posterior Lumbar Spine Surgery
- EFORT 2007, Florence, Italy** **2007**
Orthogem Tripore-HA: A New Resorbable Hydroxyapatite Bone Graft Substitute: Proof of Biological Concept in a Long Term Sheep Femoral Condyle Model
The Outcome of Lumbar intervertebral Disc Disease in Two Groups of Adolescents: Those Who Play High Level Sport and Those Who Don't.
The Value of Patient Selection and Adjuvant Physiotherapy of the Outcome of Lumbar Facet Joint Injection
- BritSpine 2008, Belfast, UK** **2008**
The outcome of treatment for lumbar intervertebral disc herniation in two groups of adolescents: Those who play high level sports and those who don't
What outcomes tool will best suit surgeons with busy low back practices in the era of revalidation and relicensing?
"The Law of Unintended Consequences" in New Spinal Technology: Does the failure of the PDN Solo suggest the need for a European equivalent of the FDA?

Invited Lectures

- XXIst Congress of the World Federation of Haemophilia, Mexico City (Orthopaedic Consensus Symposium)** **1994**
Current Issues in Total Joint Replacement
- Course for Continental Surgeons, RNOH Stanmore** **1995**
What is a Thoraco-Lumbar Fracture?
Pedicle Screw Systems in Lumbar Spine Surgery

Royal College of Surgeons of England Thoraco-Lumbar S.W.A.P. Course (Surgical Workshop Using Anatomical Prosection) <i>Bone Grafting in Spinal Surgery</i> <i>The Philosophy of Anterior Reconstruction for Thoraco-Lumbar Burst Fractures</i>	1995
Stryker Invitational Spinal Symposium, Paris <i>The Biological and Biomechanical Environment of Titanium Alloy Implants</i>	1995
Inaugural Stryker User Group, RNOH Stanmore <i>The Biomechanical Behaviour of Lordotic Spinal Plates and Pedicle Screws</i>	1995
Royal Society of Medicine Section of Orthopaedics, London <i>Spinal Injury Management - From Roadside to Home</i>	1996
First London Lumbar Spine Fusion Symposium, <i>The Biology and Biomechanics of Spinal Fusion</i>	1998
Northampton General Practice Registrar Training Course <i>Managing Back Pain in Primary and Secondary Care</i>	1999
Oxford Oncology Group Specialist Registrar Training, Oxford <i>Surgical Treatment of Metastatic Disease of the Spine</i>	2000
Association of Spinal Surgeons of Taiwan, Taipei <i>Interbody Spinal Fusion Using Radiolucent Cages</i>	2000
South African Orthopaedic Association, Cape Town <i>Vertebral Reconstruction With Expanding Cages</i>	2000
7th Interbody Fusion Technology Conference, Hong Kong <i>Anterior Interbody Fusion Techniques</i> <i>The Biomechanical and Clinical Rationale of Using the Stabilis Stand-Alone Interbody Fusion Cage</i> <i>Ogival Interbody Fusion Cages – Tips, Tricks and Techniques</i>	2001
Stryker Corporation Advanced Spine Training Conference, Bordeaux <i>Using the Opus Plate Pedicle Screw System for Trauma and Degenerative Spinal Disease</i> <i>Stabilis Anterior Interbody Fusion Device – Indications and Uses</i>	2001
Northamptonshire Primary Care Group Continuing Professional Development Programme <i>Managing Acute and Chronic Low Back Disorders in Primary and Secondary Care</i>	2001
Eurospine 2001, Gothenburg <i>Stabilis – Advanced Technology for Anterior Interbody Fusion</i>	2001
DGOT Konferenz, Berlin <i>Healos[™] Bone Graft Substitute – Fifteen Months Without Having to Ravage the Iliac Crest</i>	2001
3rd Annual Stryker Spine Congress, Noosa, Queensland <i>Early Results of Anterior Interbody Fusion Using Stabilis</i> <i>The Use of Healos Bone Graft Substitute in Lumbar Interbody Fusions</i>	2002
South African Spine Society, Durban <i>Anterior Interbody Fusion Using the Stabilis Stand-Alone Device</i>	2002

Organisation of Physiotherapists in Private Practice (OCPPP), Annual Conference, Hinkley, UK	2003
<i>Olive Sands Memorial Lecture: Why Most People with Back Ache Don't Need Surgery</i>	
<i>Surgical Treatment of Chronic Lumbar Spine Pain</i>	
3rd Depuy International Spine Symposium, Vouliagmeni, Greece	2003
<i>Healos bone graft substitute in spinal fusion: a case controlled comparing Healos used with bone marrow aspirate and autograft</i>	
Kettering General Practice Forum	2003
<i>Low Back Pain: Primary and Secondary Care at the Interface</i>	
Stryker ODP Congress, Stratford-upon-Avon,	2003
<i>Anterior Lumbar Interbody Fusion: Techniques and Results</i>	
Medico-legal Seminar on Personal Injury and Medical Malpractice, Peterborough	2003
<i>Can Back Pain at Work Be Compensated? The Case Against</i>	
First Stryker Benelux Spine Users Meeting, Prague, Czech Republic	2003
<i>Lumbar Interbody Fusion: Front, Back or Both?</i>	
Stryker ODP Congress, York,	2004
<i>Selection Criteria for Spinal Surgery</i>	
<i>Posterior Lumbar Interbody Fusion: Techniques and Results</i>	
<i>Anterior Lumbar Interbody Fusion: Techniques and Results</i>	
Depuy International Degenerative Lumbar Spine Conference, Valencia, Spain	2004
<i>Posterior Lumbar Interbody Fusion: Problems and some ways to avoid them</i>	
Medtronic Sofamor Danek Seminar on Spinal Arthroplasty, BritSpine 2004, Nottingham, UK	2004
<i>Indications for the Prosthetic Disc Nucleus and Clinical Results</i>	
Raymedica Workshop on the Prosthetic Disc Nucleus, Porto, Portugal	2004
<i>Results of Using the PDN Solo and SoloXL through an anterior approach</i>	
Wellingborough General Practice Post-Graduate Forum	2004
<i>Assessment of Back Pain in Primary Care</i>	
<i>Examination of the Lumbar Spine</i>	
<i>What's New in Spinal Surgery?</i>	
University of Hertfordshire School of Postgraduate Radiography	2004
<i>Radiographic Interpretation for Axial Skeletal Trauma</i>	
DePuy Spine Degenerative Lumbar Spine Meeting, Frankfurt, Germany	2005
<i>Update on Bone Graft Substitutes in Spinal Surgery</i>	
DePuy Spine International (EMEA) Distributors Meeting, Frankfurt, Germany	2005
<i>The Clinical and Radiological Results of Healos Used in Spinal Surgery</i>	
University of Hertfordshire School of Postgraduate Radiography	2005
<i>Radiographic Interpretation for Axial Skeletal Trauma</i>	
DePuy Spine Degenerative Lumbar Spine Meeting, Cagliari, Sardinia	2006
<i>My Worst Case: Spinal Stenosis – Keynote Lecture</i>	

7th Israel Spine Society, Ein Bokek, Israel <i>The Interactive Biology of Bone Graft Substitutes – Beyond the Complications Of Autograft</i>	2006
University of Hertfordshire School of Postgraduate Radiography <i>Radiographic Interpretation for Axial Skeletal Trauma</i>	2006
First Stryker Business Summit, Warwickshire <i>A very peculiar practice: Anatomy of an Independent Spinal Practice in the UK</i>	2006
DePuy Spine (Europe): Spine Executive Training, Amsterdam, Netherlands <i>Spine Surgery: Where have We Been? Where are We Now? Where Are We Going</i>	2006
British Cervical Spine Society, 15th Annual Meeting, Glasgow, UK <i>Bone Graft Substitutes and the Spine Surgeon</i>	2006
First Stryker Spine Business Summit, Sutton Coldfield, UK <i>A Very Peculiar Practice: My First Four Years in Independent Spine Practice</i>	2006
University of Hertfordshire School of Postgraduate Radiography <i>Radiographic Interpretation for Axial Skeletal Trauma</i>	2007
DePuy Spine (Europe): Senior Sales Training, Amsterdam, Netherlands <i>Orthobiologics: The Fusion of Science and Clinical Practice</i>	2007
Zimmer Spine Summit, Montreux, Switzerland <i>Bone graft substitutes and the spine surgeon</i>	2007
DePuy Spine (UK): Passionate About Spines, Herts <i>The arguments for posterolateral instrumented fusion for degenerative spondylolisthesis</i>	2007
Second Stryker Business Summit, Hampshire <i>A very peculiar practice: Anatomy of an Independent Spinal Practice in the UK</i>	2007
University of Warwick Medical School Musculo-skeletal MSc Course <i>Forget everything you were taught about back pain</i>	2007
Body and Face Control Pilates University, London <i>The modern management of back pain</i>	2007
SurgiC (UK) Sales Training Conference, Northampton <i>Bone healing and bone graft substitutes in the spine Medium term clinical results of Orthogem Tripore Bone Graft Substitute</i>	2007
European Association of Neurosurgeons Annual Meeting, Glasgow <i>The Biology of Spinal Fusion</i>	2007
Inaugural Dutch / US Spine Link Meeting, Utrech, The Netherlands <i>Substitute Bone Grafts – One Size Does Not Fit All</i>	2007
MediGold Occupational Health Consultancy Post Graduate Meeting Northampton <i>Back Pain</i>	2007

DePuy Spine Operating Department Staff Instructional Course, Leeds	2007
<i>Spinal Surgery – From the Clinic to the Operating Theatre</i>	
<i>Spinal Surgery – Indications and Surgical Approaches</i>	
<i>Spinal Surgery – Patient Follow-up and Outcomes</i>	
First Course in Regenerative Medicine, Rizzoli Orthopaedic Institute, Bologna, Italy	2008
<i>Bone marrow aspirate in spinal fusion: from Urist to BMAC</i>	
DePuy Spine Operating Department Staff Instructional Course, Leeds and London (May & October)	2008
<i>Spinal Surgery – From the Clinic to the Operating Theatre</i>	
<i>Spinal Surgery – Indications and Surgical Approaches</i>	
<i>Spinal Surgery – Patient Follow-up and Outcomes</i>	
DePuy Spine (UK): Passionate About Spines, Herts, UK	2008
<i>The role of BMP in spinal surgery: The case against BMPs</i>	
<i>Disc nuclear replacement: Prosthetic disc nucleus (PDN)</i>	
<i>Emerging technologies: Responsibility of the Clinician on the introduction of new technologies</i>	
University of Warwick Medical School Musculo-skeletal MSc Course	2008
<i>Forget everything you were taught about back pain</i>	
Korean Spinal Neurosurgical Society, Seoul, Korea	2008
<i>An analysis of the long-term clinical, radiological and histological performance of Healos bone graft substitute</i>	
University of Hertfordshire School of Postgraduate Radiography	2008
<i>Radiographic Interpretation for Axial Skeletal Trauma</i>	
DePuy Spine Specialists Course, Nordwijk, The Netherlands (January and May)	2009
<i>The evidence for interbody spinal fusion</i>	
<i>Posterior lumbar interbody fusion v. Transforaminal lumbar interbody fusion: The outcome</i>	
<i>Indications for Interbody fusion and management of the complications</i>	
University of Hertfordshire School of Postgraduate Radiography	2009
<i>Radiographic Interpretation for Axial Skeletal Trauma</i>	
England and Wales Cricket Board Level 2 Training Seminar Northampton	2009
<i>BodyWorks: Muscles, Joints and the Spine in Relation to Cricket</i>	
DePuy Spine Operating Department Staff Instructional Course, Leeds and London (May & October)	2009
<i>Spinal Surgery – From the Clinic to the Operating Theatre</i>	
<i>Spinal Surgery – Indications and Surgical Approaches</i>	
<i>Spinal Surgery – Patient Follow-up and Outcomes</i>	
University of Warwick Medical School Musculo-skeletal MSc Course	2009
<i>Forget everything you were taught about back pain</i>	
DePuy Spine International: Surgical Techniques in the Degenerative Lumbar Spine – A Cadaveric Workshop (surgical trainer), Barcelona, Spain	2009
<i>Stabilisation Techniques for the Lumbar Spine</i>	
<i>Posterior Lumbar Interbody Fusion and the Wiltse Approach – Surgical Technique</i>	

Post-Graduate Meetings & Courses

As Delegate

- 1988** British Association of Urological Surgeons, Buxton, Derbyshire.
- 1989** Radiation Protection Course (Core Knowledge), Birmingham.
- 1990** Symposium on the Surgical Use of Bone Grafts and Bone Substitutes, Oswestry.
Instructional Course on the Shearer External Fixator, Southampton.
AO/ASIF Instructional Course (Basic), Nottingham.
Inaugural Royal Free Hospital Surgical Approaches Course.
- 1991** The Second S.I.C.O.T. Trainees Meeting, London.
Advances in the Treatment of Low Back Pain, Nottingham.
British Orthopaedic Association (BOA), Annual Congress, Cambridge.
The Sixth Nottingham International Knee Symposium.
A.T.L.S. Providers Course, Stevenage.
- 1992** Management Course for Surgical Registrars and Senior Registrars, Keele University
Clinical Management Unit.
Resource Management Initiative Training Course, London.
B.O.A., London.
- 1993** The Second Royal Free Hospital Basic Sciences Course.
Instructional Course on the A.B.C. Ligament and Medial Collateral Ligament, Bristol.
Biannual Scientific Congress of the Musculo-Skeletal Committee of the World Federation of Haemophilia, Castel Franco, Italy.
Second Revision Arthroplasty Course, Zell-am-See, Austria.
Reading Shoulder Course.
B.O.A., Torquay.
- 1994** The Third Royal Free Hospital Basic Sciences Course (Co-Organiser).
Instructional Course on the Hartshill Horseshoe and Graf Ligament, Stoke-on-Trent.
B.O.A., London.
The XXIst International Congress of the World Federation of Haemophilia, Mexico City
Sixth Annual Meeting of the European Spine Society, Madrid, Spain
Fourth Annual Meeting of the Three Dimensional Spinal Anatomy and Surface Topography Association, Pescara, Italy
B.O.A., Nottingham.
Eurospine, London.
- 1995** Inaugural Meeting of the Society of British Orthopaedic Spinal Surgeons, London
Midas Rex Instructional Course, Orlando, Florida.
American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida.
HealthCare Computing '95, Harrogate, Yorkshire.
Annual Meeting of the British Scoliosis Society, Windermere, Cumbria
Seventh Annual Meeting of the European Spine Society, Noordwijk am See, Holland
- 1996** RNOH Basic Sciences Course for the FRCS (ORTH)
- 1997** The Changing Face of Back Pain Management, Chester
- 1998** Acromed 11th International Spine Workshop, Cleveland Ohio
Highland Medical Lumbar Spine Fusion Symposium, London
- 1999** Fifth Stryker International Spinal Cage Symposium, Salzburg
Society for Back Pain Research Annual Meeting, Cardiff
- 2000** Association of Taiwanese Spinal Surgeons, Taipei
South African Orthopaedic Association (Spine Section), Cape Town
First European Spine Forum, Paris
World Spine Specialists Conference, Napa Valley, California
European Spine Society, Antwerp, Belgium
BritSpine 2000 – Combined Annual Meeting of British Spinal Societies
- 2001** 7th Interbody Spinal Technology Conference, Hong Kong
Prosthetic Disc Nucleus Instructional Course, Vienna
- 2002** BritSpine 2002, Birmingham
South African Spine Society, Durban
Orthopaedics on Trial (Medico-legal Symposium), Kettering
ProDisc Instructional Course, Montpellier

- 2003** Spine Society of Australia, Canberra
EFORT 2003, Helsinki
European Spine Society Annual Meeting, Prague
- 2004** British Association of Spinal Surgeons Annual Conference, Ipswich
BritSpine 2004, Nottingham
SpineWeek, Porto: ISSLS and European Spine Society
North American Spine Society, 19th Annual Meeting, Chicago
Society for Back Pain Research Annual Meeting, Leicester
- 2005** British Association of Spinal Surgeons Annual Conference, Aberdeen
Charite III Total Disc Replacement Course, Gent, Belgium
EFORT 2005, Lisbon, Portugal
EuroSpine, Barcelona, Spain
Society for Back Pain Research Annual Meeting, Warwick
- 2006** BritSpine 2006, Cardiff, UK
North American Spine Society, 21st Annual Meeting, Seattle, USA
- 2007** British Association of Spinal Surgeons Annual Conference, Middlesbrough, UK
EFORT 2007, Florence, Italy
- 2008** Britspine 2008, Belfast, UK
Minimally Invasive Pedicle Screw Implantation Course, Munich, Germany
- 2009** SAS 9: Spine Arthroplasty Society Annual Meeting, London, UK

As Trainer, Member of Faculty or Technical Workshop Leader

- 1994** Royal College of Surgeons of England Shoulder S.W.A.P. Course, London
RNOH Shoulder Arthroscopy Course, Stanmore
- 1995** Royal College of Surgeons of England Thoraco-Lumbar Spine S.W.A.P. Course, London
Royal College of Surgeons of England Basic Arthroscopy Course (Shoulder)
RNOH Shoulder Arthroscopy Course, Stanmore
- 1997** Tenth Surgical Approaches Course, the Royal Free Hospital (Approaches to the Spine)
- 1998** Stanmore Basic Sciences for FRCS (Orth) – Viva voce examinations
Eleventh Surgical Approaches Course, the Royal Free Hospital (Approaches to the Spine)
Highland Medical Lumbar Spine Fusion Symposium, London
- 1999** Stanmore Basic Sciences for FRCS (Orth) – Viva voce examinations
- 2000** Stanmore Basic Sciences for FRCS (Orth) – Viva voce examinations
Association of Taiwanese Spinal Surgeons, Taipei
South African Orthopaedic Association, Cape Town
- 2001** 7th Interbody Technology Conference, Hong Kong
Eurospine 2001, Gothenburg
DGOT Konferenz, Berlin
- 2002** BritSpine 2002, Birmingham
3rd Annual Stryker Spine Congress, Noosa, Queensland
- 2003** South Trent Spinal Surgeons Meeting, Sketchley Hall, Hinckley
OCPPP Annual Conference, Hinkley
Interpore Cross International Symposium on Orthobiologics, Irvine, California
Spine Society of Australia, Canberra
3rd Depuy International Spine Symposium, Vouliagmeni
EFORT 2003, Helsinki
Stryker ODP Congress, Stratford-upon-Avon
Medico-legal Seminar on Personal Injury and Medical Malpractice, Peterborough
European Spine Society Annual Meeting, Prague
- 2004** Stryker ODP Congress, York
DePuy International Degenerative Lumbar Spine Conference, Valencia
(Co-chairman of meeting and moderator of four sessions)
OCPPP Annual Conference, Nottingham
BritSpine 2004 – Sofamor Medtronic Danek Symposium on Spinal Arthroplasty
SpineWeek, Porto; Raymedica PDN workshop
Oxford FRCS (Orth) Revision Course: Clinical and Viva Examiner
Raymedica Symposium on the Prosthetic Disc Replacement, Stockholm, Sweden

- 2005** 5th Spine Arthroplasty Society Meeting, New York, USA
 DePuy Spine Degenerative Lumbar Spine Meeting, Frankfurt, Germany
 DePuy Spine International (EMEA) Distributors Meeting, Frankfurt, Germany
 Raymedica Symposium on Nucleus Replacement Technology, Memphis, USA
- 2006** DePuy International Degenerative Lumbar Spine Conference, Cagliari, Sardinia
 (Co-chair)
 7th Annual Meeting of the Israel Spine Society, Ein Bokek, Israel
 First Stryker Spine Business Summit, Sutton Coldfield, UK
 British Cervical Spine Society, 15th Annual Meeting, Glasgow, UK
- 2007** DePuy Spine Senior Sales Training Conference, Amsterdam, Holland
 Zimmer Spine Summit, Montreux, Switzerland
 DePuy Spine: Passionate About Spines (moderator), Herts, UK
 Stryker Business Summit, Hampshire, UK (Chair)
 University of Warwick Musculo-skeletal MSc Course (Spine Module), Warwick, UK
 SurgiC (UK) Sales Training Conference, Northampton, UK
 European Association of Neurosurgeons Annual Meeting, Glasgow, UK
 Inaugural Dutch / US Spine Link meeting, Utrecht, Holland
 Clinical Skills in Spinal Assessment and Management, Birmingham, UK
 DePuy Spine Operating Department Staff Instructional Course, Leeds, UK (Chair)
- 2008** First Course in Regenerative Medicine, Rizzoli Orthopaedic Institute, Bologna, Italy
 DePuy Spine Operating Department Staff Instructional Course, Leeds, UK (Chair; May and
 October)
 DePuy Spine: Passionate About Spines (moderator), Herts, UK
 University of Warwick Musculo-skeletal MSc Course (Spine Module), Warwick, UK
 Korean Spinal Neurosurgical Society, Seoul, Korea
 Sprains, Strains and Awesome Pain: Are You Fit For Sport? (Co-chair)
- 2009** DePuy Spine Specialists Course, Nordwijk, The Netherlands (January and May)
 DePuy Spine International: Passionate About Spines (moderator), Madrid, Spain
 University of Warwick Musculo-skeletal MSc Course (Spine Module), Warwick, UK
 DePuy Spine International: Surgical Techniques in the Degenerative Lumbar Spine – A
 Cadaveric Workshop (surgical trainer), Barcelona, Spain
 DePuy Spine Operating Department Staff Instructional Course, Manchester, UK (Chair; May
 and October)

Spinal Fellows, Northampton

February 2003 – August 2003	Matthew Shaw MRCS
August 2003 – July 2004	David Noyes MRCS
January 2005 to June 2006	Daniel Neen MRCS
August 2006 to July 2007	Amanda Isaac MRCS
August 2007 to December 2008	Winster D'Souza MRCS
January 2009 to present	Chris Heywood MCSP