

Curriculum Vitae

MARTIN A MCNALLY
MD FRCSEd FRCS(Orth)

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Personal Details

Address:

Limb Reconstruction Unit
Nuffield Orthopaedic Centre
Oxford University Hospitals
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Nationality British

Education

Belfast Royal Academy	1974-1981
The Queen's University of Belfast (QUB)	1981-1986
Bachelor of Medicine	
Bachelor of Surgery	} 1986
Bachelor of the Art of Obstetrics	
Fellowship of the Royal College of Surgeons of Edinburgh	1990
British Orthopaedic Association Wishbone Research Fellow	1991-1993
Intercollegiate Fellowship in Orthopaedic Surgery	1996
Doctor of Medicine (QUB)	1996

Appointments

Career Registrar/SR in Orthopaedic Surgery	1990-96
Teaching Assistant (Medical Ethics and Healthcare Issues)	1993-96
Fellow in Limb Reconstruction Surgery, University of Oxford	1996-97
Clinical Director of Trauma Surgery, John Radcliffe Hospital	1999-2000
External Examiner in Surgery, University of Newcastle	2000-04
Consultant in Limb Reconstruction Surgery, Nuffield Orthopaedic Centre	2000-
Honorary Consultant in Trauma Surgery, John Radcliffe Hospital	1997-
Honorary Senior Lecturer in Orthopaedics, University of Oxford	2000-
Clinical Director of Orthopaedic Surgery, Nuffield Orthopaedic Centre	2003-06

Chief of Surgery, Nuffield Orthopaedic Centre	2006-09
Lead Surgeon, Oxford Bone Infection Unit	2006-
President of the European Bone & Joint Infection Society	2017-
Honorary Secretary & Treasurer, Girdlestone Orthopaedic Society	2014-18
President, Girdlestone Orthopaedic Society	2018-
King James IV Professor, Royal College of Surgeons of Edinburgh	2020-

Summary of Experience and Interests

I was trained in Belfast, with periods of specialist study in England, Germany, Russia and the USA. I was Clinical Fellow in Limb Reconstruction in the Nuffield Department of Orthopaedic Surgery, University of Oxford and at The Campbell Clinic, Memphis, Tennessee, USA.

I hold the Sir Walter Mercer Gold Medal from the Intercollegiate Board of the Royal Colleges of Surgeons (awarded in Edinburgh, 1996) and the International Society for Fracture Repair Young Investigator Award. I have won twelve research prizes and an “NHS Hero” Award.

I am lead surgeon of the Oxford Bone Infection Unit and Limb Reconstruction Unit at the Nuffield Orthopaedic Centre, Oxford University Hospitals. The Unit is recognized internationally for its work on the diagnosis and treatment of bone and joint infections. Validated Oxford protocols are used widely in the UK and around the world. In 2012, it was selected as an ‘NHS England Hospital Team of the Year’.

I am involved in postgraduate and undergraduate education, as tutor, lecturer, supervisor and examiner. I serve on numerous instructional course faculties and am convenor of 4 annual scientific conferences. I review for 9 Pub-med listed journals including *BJJ*, *CORR*, *JBJS[Am]*, *Injury*, *Acta Orthop Scand* and *BMJ*. I serve on the editorial board of the Journal of Bone & Joint Infection.

Recently, I have developed my work in Europe. I was honored to become President of the European Bone & Joint Infection Society in 2017 and appointed to the EFORT Scientific Committee, The European Specialist Societies Standing Committee and the EFORT Education Committee.

I enjoy research and the presentation of our work. I have published over 120 scientific papers, 20 book chapters (including in Bailey & Love, Oxford Textbook of Medicine, Oxford Textbook of Orthopaedics & Trauma and AO Principles of Infection Management) and edited 2 full textbooks. I have supervised three Masters and two PhDs in the last 5 years. I have given over 200 presentations at national and international meetings. I have been an invited lecturer 20 times in the last 2 years with major lectures at the national Societies of Italy, Brazil, Norway, Argentina, Denmark and the USA. In 2019, I was awarded the King James IV Professorship from the Royal College of Surgeons of Edinburgh.

Other Interests

I am married with three children. My wife is Associate Director of Medical Education at The University of Oxford. My own sporting interest lies in competitive rowing. I competed in my University 1st VIII and was Captain of Lady Victoria Boat Club (1991-93). I am a member of Leander Club and was Head of Lightweight Rowing at Oxford University (2000-2007).

I now enjoy running and compete in several 10km and half-marathon races each year and the occasional marathon.

Membership of Professional Organisations

The British Orthopaedic Association

The European Bone and Joint Infection Society
(Vice-President 2015-2017, President 2017-19)

The Girdlestone Orthopaedic Society
(Honorary Treasurer 2013-2017, Honorary Secretary 2017-2018,
President 2018-present)

The British Limb Reconstruction Society

Course Faculty Member

Advances in Venous Thrombosis Prevention *RSM London* 1992
European Congress of Orthopaedics *Paris* 1993
The International Conference on Skeletal Trauma *Valbella* 1995
Smith & Nephew Femoral Fracture Fixation Course *Belfast* 1996
EFORT Scientific Meeting *Barcelona* 1997
AO Basic Course in Fracture Fixation *Leeds* 1998
Ilizarov Method for Surgeons *Oxford* 1999
Smith & Nephew Ilizarov Meeting *Grantham* 1999
AO Basic Course in Fracture Fixation *Leeds* 1999
British Hip Society *Oxford* 2000
Advanced Course in Ilizarov Method *London* 2000
AO Advanced Course in Fracture Fixation *Davos* 2000
FRCS(Orth) Preparation Course *Bristol* 1999-2004
AO Long Bone Group *Derby* 2002 & 2003
ISTA Meeting *Oxford* 2002
Management of Limb Length Discrepancy *Wakefield* 2002
Chronic Infection in the Long Bones *RSM London* 2003
FRCS(Orth) Preparation Course *Oxford* 2003-present
AO Long Bone Group *Tewksbury* 2004
Symposium on Bone Infection *Weston Super-Mare* 2005
Advanced Course in Orthopaedics *Manchester* 2007
Bone Morphogenic Proteins in Tissue Regeneration *Boston, USA* 2008
2nd Masterclass on Long Bone Non-unions *Leeds* 2009
Ilizarov Method Course *Birmingham* 2010
Regional Anaesthesia UK Cadaver Course *Oxford* 2010-present
Infection and Local Treatment in Orthopaedic Surgery *Verona* 2011
European Bone & Joint Infection Society *Montreux* 2012
British Orthopaedic Trainees Association *Birmingham* 2012
Plastic Surgery Academic Day *Oxford* 2012
International ASAMI Course *Thessaloniki* 2012
Society for General Microbiology *Dublin* 2012
Miller UK Orthopaedic Course *Eynsham* 2013

European Bone & Joint Infection Society *Prague* 2013
British Orthopaedic Oncology Society *Birmingham* 2013
Instructional Course on Antibiotic Carriers *Copenhagen* 2014
15th International Trauma Care Conference *Telford* 2014
Miller UK Orthopaedic Course *Eynsham* 2014
Nordic Orthopaedic Federation *Helsinki* 2014
'Tor Vergata' Infection Symposium *Rome* 2014
EFORT Infection Instructional Course *London* 2014
European Bone & Joint Infection Society *Utrecht* 2014
BAPRAS Trainees Course *Manchester* 2014
Bone Infection Cadaver Workshop *Mulheim* 2014
Advances in the Management of Bone Defects & Infection *Basel* 2014
17th Finnish-Austrian Orthopaedic Trauma Course *Oberlech* 2015
British Limb Reconstruction Society *Birmingham* 2015
Osteomyelitis Expert Meeting *Utrecht* 2015
Advances in the Management of Bone Defects & Infection *Zurich* 2015
New Frontiers in Orthopaedic Oncology Conference *Szczecin* 2015
EFORT Scientific Meeting *Prague* 2015
Expert Panel Meeting on Accelerated Bone Healing *Reims* 2015
Diabetic Foot Infection Conference *Oxford* 2015
Girdlestone Orthopaedic Society *Oxford* 2015
European Bone & Joint Infection Society *Estoril* 2015
Pro-Implant Foundation Course on Prosthetic Joint Infection *Berlin* 2016
British Limb Reconstruction Society *Liverpool* 2016
Girdlestone Orthopaedic Society *Oaxaca, Mexico* 2016
EFORT Scientific Meeting *Geneva* 2016
AO Trauma Europe Masters Course *Manchester* 2016
European Bone & Joint Infection Society *Oxford* 2016
23rd International Symposium for Foot Surgery *Munich* 2016
International Society for Prosthetics and Orthotics *Oxford* 2016
Miller UK Instructional Course *Oxford* 2016
British Society of Orthopaedic Anaesthetists *Oxford* 2016
Southwest Orthopaedic Forum *Chongqing, China* 2017

European Society of Clinical Microbiology and Infectious Diseases (ESCMID) *Pamplona, Spain* 2017

EFORT Scientific Meeting *Vienna* 2017

1st Oxford Bone Infection Masterclass *Oxford* 2017

European Bone & Joint Infection Society *Nantes* 2017

EFORT Scientific Meeting *Barcelona* 2018

2nd Oxford Bone Infection Masterclass *Oxford* 2018

European Bone & Joint Infection Society *Helsinki* 2018

European Bone & Joint Infection Society *Antwerp* 2019

Course Convenor

Principles of Ilizarov Method (Interdisciplinary basic course) *Oxford* 1998-99

The Oxford Ilizarov in Fractures Course (Specialty course) *Oxford* 1999

Ilizarov Method for Fractures (Specialty course) *Gothenburg* 2000

Principles of Ilizarov Method (Interdisciplinary basic course) *Oxford* 2004

Multidisciplinary Management of Bone and Joint Infection *Cambridge* 2011

Annual Oxford Bone Infection Conference (OBIC) 2010-present

Oxford Visiting Surgeon Infection Workshops 2013-present

European Bone & Joint Infection Society (Local Chairman) 2016

Oxford Infection Masterclass (Advanced Infection Course) 2017-present

Awards and Distinctions

“NHS Hero” Awarded by Sir David Nicholson, NHS Chief Executive. 2014

Hospital Team of the Year Awarded to the Oxford Bone Infection Unit and Limb Reconstruction Unit. 2012

National Clinical Excellence Award 2009. Upgraded in 2018

Smith and Nephew Research Travel Award to N. America 1997. (Awarded for best paper submitted for BOA Instructional Course Research Competition).

The Sir Walter Mercer Gold Medal for ‘outstanding performance in the Intercollegiate Fellowship in Orthopaedic Surgery’ Glasgow, 1996

EFORT Travelling Fellowship, Germany, 1996

Howmedica Travelling Fellowship 1994. (Awarded at BOA, Nottingham)

The Martin Medal (Prize for Orthopaedic Research) 1994

Howmedica Travelling Fellowship 1993. (Awarded at BOA, Torquay)

Rhone-Poulenc-Rorer Educational Award 1993

Arthritis Research Project Award (Northern Ireland) 1993

JA McClelland Research Award The Queen’s University of Belfast. 1993

Young Investigator Award, International Society for Fracture Repair 1992

The Irish Orthopaedic Association Prize 1992

British Orthopaedic Association Wishbone Trust Research Fellowship 1991-93

Finalist in the 1992 **Toshiba Year of Invention Award**.

Publications

Scientific Papers

- 1** McNally MA, Small JO, Wilson DJ, Mollan RAB. Arteriographic Study of the Rabbit Lower Limb. *The Anatomical Record* 1992 233 643-650.
- 2** Croal SA, McNally MA, Mollan RAB. Deep Venous Thrombosis: a continuing problem. *Ortho Prod News* 1991; Oct: 33-35.
- 3** Laverick MD, McGivern RC, McNally MA, Croal SA, Brown JG, Birkmyre JS, Kernohan WG, Mollan RAB. A computerised system of

- screening for deep vein thrombosis. *Thrombosis Research* 1992; 66:207-214.
- 4 **Croal SA, McNally MA, Birkmyre JS, Hamilton C, Mollan RAB.** Strain gauge plethysmography for the detection of deep vein thrombosis. *J Biomed Eng* 1993 15 135-139.
 - 5 **McNally MA, Kernohan WG, Croal SA, Mollan RAB.** Deep Vein Thrombosis in Orthopaedic Patients: Improving the specificity of diagnosis. *CORR* 1993; 295: 275-280.
 - 6 **McNally MA, Small JO, Tofighi H, Mollan RAB.** Two stage management of chronic osteomyelitis of the long bones: The Belfast Technique *J Bone Joint Surg [Br]* 1993; 75-B: 375-380.
 - 7 **McNally MA, Mollan RAB, Buxton MJ.** Reducing the cost of postoperative deep vein thrombosis. *J Management in Medicine* 1993; 7: 23-29.
 - 8 **McNally MA, Mollan RAB.** Total hip replacement, lower limb blood flow and venous thrombogenesis. *J Bone Joint Surg [Br]* 1993; 75-B: 640-644.
 - 9 **McNally MA, Mollan RAB.** [Invited Editorial] Venous Thromboembolism and Orthopaedic Surgery. *J Bone Joint Surg [Br]* 1993; 75-B: 517-519.
 - 10 **McNally MA** [Letter] Thrombosis and Embolism after Knee Arthroplasty *J Bone Joint Surg* 1993; 75-B: 580.
 - 11 **McNally MA, Kernohan WG, Brown JG, Laverick MD, Mollan RAB.** Prevention of venous thromboembolism after major abdominal surgery. *Lancet* 1993; 341: 823.
 - 12 **McNally MA, Kernohan WG, Mollan RAB.** The effect of total hip replacement on lower limb blood flow. *Biomech Sem* 1993; 7: 9-20.
 - 13 **McNally MA, Mollan RAB.** Clot-spotting by computer. *The Irish Scientist* 1994; 1: 18.
 - 14 **McNally MA, Mollan RAB.** Total hip replacement, lower limb blood flow and venous thrombogenesis. *Yearbook of Orthopaedics Ed. R Poss* 1994; 120.
 - 15 **McNally MA, McAlinden MG, O'Connell B, Mollan RAB.** The postphlebotic syndrome after hip arthroplasty. *Acta Orthop Scand* 1994; 65: 595-598.
 - 16 **McNally MA, Mollan RAB.** [invited short paper] Total hip replacement and lower limb blood flow. *Phlebology Digest* 1994; 6: 29-31.
 - 17 **Cooke EA, McNally MA, Mollan RAB.** Seasonal variations in fatal pulmonary embolism *B Med J* 1995; 310: 129-130.
 - 18 **McNally MA, Kyle A, MacDonald W, Mayne E, Mollan RAB.** Hypercoagulability after total hip replacement. *Hip Inter* 1996; 6: 1-6.

- 19 **McNally MA, Cooke EA, Mollan RAB.** Femoral vein blood flow during total hip replacement *J Bone Joint Surg* 1995; 77-B: 335-336.
- 20 **McNally MA, Crone MD, Mollan RAB.** A practical screener for deep vein thrombosis after total hip replacement. *Hip International* 1996; 6: 140-148.
- 21 **Cooke EA, Benkö T, O'Connell BM, McNally MA, Mollan RAB.** The effect of graduated compression stockings on lower limb venous haemodynamics. *Phlebology* 1996; 11: 141-145.
- 22 **McNally MA.** Time to staunch clot agent calls. [Invited editorial] *Hospital Doctor* 1997; 8th May: 44.
- 23 **McNally MA, Bahadur R, Cooke EA, Mollan RAB.** Venous haemodynamics in both legs after total knee replacement. *J Bone Joint Surg [Br]* 1997; 79-B: 633-637.
- 24 **McNally MA, Cooke EA, Mollan RAB.** The effect of active foot movement on venous blood flow after total hip replacement. *J Bone Joint Surg [Am]* 1997; 79-A: 1198-1201.
- 25 **McNally MA.** Thromboprophylaxis and death after total hip replacement. *J Bone Joint Surg[Br]* 1997; 79-B: 878-879.
- 26 **McNally MA, Cooke EA, Harding ML, Mollan RAB.** Attitudes to, and utilisation of, low molecular weight heparins in joint replacement: a survey. *J Roy Coll Edinb* 1997; 42: 407-409.
- 27 **McNally MA** The influence of total knee replacement on lower limb blood flow. [Letter] *J Roy Coll Edinb* 1997; 42: 286-287.
- 28 **Sinclair S, McNally MA, Small JO, Yeates AH.** Primary free-flap cover for open tibial fractures. *Injury* 1997; 28: 581-586.
- 29 **Cole AS, Brownlow HC, McNally MA, Kenwright J, Simpson AHWR.** Lengthening over a nail for post-traumatic femoral shortening, associated with malunion and non-union. *Injury* 1998; 29(2): 154.
- 30 **Turner IC, McNally MA, O'Connell BM, Cooke EA, Kernohan WG, Mollan RAB.** Numerical model of deep venous thrombosis detection using venous occlusion strain gauge plethysmography. *Med Biol Eng Comput* 2000; 38(3): 348-55.
- 31 **Benkö T, Cooke EA, McNally MA, Mollan RAB.** Graduated Compression Stockings: thigh length or knee length? *CORR* 2001; 383: 197-203.
- 32 **Wilson D, Cooke EA, McNally MA, Wilson K, Yeates AH, Mollan RAB.** Changes in coagulability as measured by thrombelastography, following surgery for proximal femoral fractures. *Injury* 2001; 32(10): 765-770.
- 33 **Acton JD, McNally MA.** Baumann's Confusing Legacy *Injury* 2001; 32(1): 41-43.

- 34 **Wilson D, Cooke EA, McNally MA, Wilson HK, Yeates A, Mollan RA.** Altered venous function and deep venous thrombosis following proximal femoral fracture. *Injury* 2002; 33(1): 33-39.
- 35 **Nagarajah K, Aslam N, McLardy-Smith P, McNally M.** Iliofemoral distraction and subsequent hip reconstruction in the treatment of the late sequelae of a septic dislocated hip with chronic femoral osteomyelitis *J Bone Joint Surg[Br]* 2005; 87(6): 863-866.
- 36 **Bose D, Hauptfleisch J, McNally MA.** Delayed pseudoaneurysm caused by the distal locking screw of a femoral intramedullary nail. *J Orthop Trauma* 2006; 20(8): 584-6.
- 37 **Sinha S, Sinha A, Nagarajah K, Oei EL, Critchley P, McNally MA.** Chronic sternal osteomyelitis complicating primary manubriosternal septic arthritis. *Clin Rheumatol* 2006; 25(6): 934-6.
- 38 **McNally MA.** Insufficient duration of venous thromboembolism prophylaxis after total hip or knee replacement when compared with time course of thromboembolic events. *J Bone Joint Surg[Br]* 2007; 89(6): 799-807.
- 39 **Sivan M, Bose D, Athanasou N, McNally M.** *Mycobacterium marinum* osteomyelitis of a long bone. *Joint Bone Spine* 2008; 75(5): 600-602.
- 40 **Matthews PC, Berendt AR, McNally MA, Byren I.** Diagnosis and management of prosthetic joint infection. *BMJ* 2009; 338: 1378-1383.
- 41 **Sheehy SH, Atkins BA, Bejon P, Byren I, Wylie D, Athanasou NA, Berendt AR, McNally MA.** The microbiology of chronic osteomyelitis: prevalence of resistance to common empirical anti-microbial regimens. *J Infect* 2010; 60: 338-343.
- 42 **McNally MA** The impact of national guidelines for the prophylaxis of venous thromboembolism on the complications of arthroplasty of the lower limbs. [Letter] *J Bone Joint Surg[Br]* 2010; 92(5): 747.
- 43 **McNally MA, Nagarajah K.** [Invited mini-symposium] Osteomyelitis *Orthop Trauma* 2010; 24(6): 416-429.
- 44 **Chari A, Khokhar A, Murray D, McNally M, Pandit H.** Venous thromboembolism and its prophylaxis in elective total hip arthroplasty: an international perspective. *Hip Int* 2012; 22(1): 1-8.
- 45 **Gamage NM, Kashima TG, McNally MA, Gibbons CLMH, Smith R, Ostlere SJ, Athanasou NA.** Giant-cell-rich pseudotumour in Paget's disease. *Skeletal Radiology* 2012; 42: 595-599.

- 46 **Corrigan RA, Miller A, McNally MA, Javaid MK.** Treatment of fracture non-union in a young adult with combination anabolic and anti-resorptive bone therapy. *Rheumatology* 2012; 52(6): 1147-49.
- 47 **Khokhar A, Chari A, Murray D, McNally M, Pandit H.** Venous thromboembolism and its prophylaxis in elective knee arthroplasty: an international perspective. *Knee* 2013; 20: 170-176.
- 48 **Kugan R, Aslam N, Bose D, McNally MA.** Outcome of arthrodesis of the hindfoot as a salvage procedure for complex ankle pathology using the Ilizarov technique. *J Bone Joint Surg[Br]* 2013; 95-B: 371-377.
- 49 **Ferguson JY, Sutherland M, Pandit HG, McNally M.** The rate of symptomatic venous thromboembolism in patients undergoing elective Ilizarov surgery and the cost of chemical prophylaxis. *Bone Joint J* 2014; 96-B: 426-430.
- 50 **Jennison T, McNally M, Pandit H.** Prevention of infection in external fixator pin sites. *Acta Biomaterialia* 2014; 10: 595-603.
- 51 **Ferguson JY, Dudareva, M, Riley ND, Stubbs D, Atkins BL, McNally MA.** The use of a biodegradable antibiotic-loaded calcium sulphate carrier containing tobramycin for the treatment of chronic osteomyelitis. *Bone Joint J* 2014; 96-B: 829-836.
- 52 **Riley ND, Camilieri D, McNally MA.** Osteoid osteoma following fracture of the distal tibia: a case report and literature review. *Injury extra* 2014; 45(9): 69-72.
- 53 **Minassian A, Atkins BA, Berendt A, McNally MA, Stubbs DA, Ramsden A, Byren I.** Chronic Osteomyelitis of the Pubic Bones following Radiotherapy for Urological Malignancy. *J Clin Urol* 2015 e-pub. (2017; 10(3): 213-219)
- 54 **Bose D, Kugan R, Stubbs DA, McNally MA.** Management of infected non-union of the long bones by a multidisciplinary team. *Bone Joint J* 2015 97-B: 814-17.
- 55 **Olesen UK, Juul R, Bonde CT, Moser C, McNally MA, Jensen LT, Elberg JJ, Eckardt H.** A review of 45 open tibial fractures covered with free flaps: analysis of complications, microbiology and prognostic factors. *Intern Orthop* 2015; 39(6): 1159-1166.

- 56 **Li HK, Scarborough M, Zambellas R, Cooper C, Rombach I, Walker AS, Lipsky BA, Briggs A, Seaton A, Atkins BL, Woodhouse A, Berendt A, Byren I, Angus B, Pandit H, Stubbs D, McNally MA, Thwaites G, Bejon P.** Oral versus intravenous antibiotic treatment for bone and joint infections (OVIVA): study protocol for a randomised controlled trial. *Trials* 2015; 16:583.
- 57 **Raina DB, Gupta A, Petersen MM, Hettwer W, McNally MA, Tägil M, Zheng M-H, Kumar A, Lidgren L.** Muscle as an osteoinductive niche for local bone formation with the use of a biphasic calcium sulphate/hydroxyapatite biomaterial. *Bone Joint Res* 2016; 5: 500-511.
- 58 **McNally MA, Ferguson JY, Lau ACK, Diefenbeck M, Scarborough M, Ramsden AJ, Atkins BL.** Single-stage treatment of chronic osteomyelitis with a new absorbable, gentamicin-loaded, calcium sulphate/hydroxyapatite biocomposite. *Bone Joint J* 2016; 98-B: 1289-1296.
- 59 **Stravinskas M, Horstmenn P, Ferguson J, Hettwer W, Nilsson M, Tarasevicius S, Petersen MM, McNally MA, Lidgren L.** Pharmacokinetics of gentamicin eluted from a regenerating bone graft substitute. *Bone Joint Res* 2016; 5: 427-435.
- 60 **Sendi P, McNally MA.** Wound irrigation in initial management of open fractures. [Letter] *N Engl J Med* 2016; 374;18; 1788-1790.
- 61 **McNally MA.** Decision-making in infected nonunion: is the surgery more important than the condition? *Invited Editorial Bone Joint J* 2016; 98-B: 435-436.
- 62 **Olsen UK, Pedersen NJ, Eckardt H, Lykke-Meyer L, Bonde CT, Singh UM, McNally M.** The cost of infection in severe open tibial fractures treated with a free flap. *Intern Orthop* 2017; 41(5): 1049-1055.
- 63 **Ferguson J, Diefenbeck M, McNally M.** Ceramic biocomposites as biodegradable antibiotic carriers in the treatment of bone infections. *J Bone Joint Infect* 2017; 2: 41-54.
- 64 **Kendall J, McNally MA.** Septic arthritis of the shoulder with proximal humerus osteomyelitis, treated by Ilizarov shoulder arthrodesis. *J Bone Joint Infect* 2017; 2: 90-95.
- 65 **Govaert GA, Ijpma FF, McNally MA, McNally E, Reininga IH, Glaudemans AW.** Accuracy of diagnostic imaging modalities for peripheral

- post-traumatic osteomyelitis – a systematic review of the recent literature. *Eur J Nucl Med Mol Imaging* 2017; 44:1393–1407.
- 66 **Street TL, Sanderson ND, Atkins BL, Brent AJ, Cole K, McNally MA et al.** Molecular diagnosis of orthopaedic device infection directly from sonication fluid by metagenomic sequencing. *J Clin Microbiol* 2017; 55(8): 2334-2347.
- 67 **McNally M, Ferguson J, Kugan R, Stubbs D.** Ilizarov treatment protocols in the management of infected non-union of the tibia. *J Orthop Trauma* 2017; 31: S47-54.
- 68 **Dudareva M, Ferguson J, Riley N, Stubbs D, Atkins B, McNally M.** Osteomyelitis of the pelvic bones: a multidisciplinary approach to treatment. *J Bone Joint Infect* 2017; 2(4): 184-193.
- 69 **Metsemakers WJ, Onsea J, Neutjens E, Steffens E, Schuermans A, McNally M, Nijs S.** Prevention of fracture-related infection: a multidisciplinary care package. *Intern Orthop*; 2017; 41(12):2457-2469.
- 70 **Grammatopoulos G, Kendrick B, McNally M, Athanasou N, Atkins B, McLardy-Smith P, Taylor A, Gundle R.** Outcome following debridement, antibiotics and implant retention in hip periprosthetic joint infection- an 18 year experience. *J Arthroplasty* 2017; 32(7): 2248-2255.
- 71 **McNally MA.** Do radiological and functional outcomes correlate for fractures of the distal radius? [Letter] *Bone Joint J* 2017;99-B:376-82.
- 72 **Li A, Gow N, Atkins BL, Taylor A, Peto T, McNally MA, Matthews PC.** Metalware-associated orthopaedic infections caused by *Staphylococcus lugdunensis*: an emerging pathogen. *J Infect* 2017; 75(4): 368-370.
- 73 **Hotchen AJ, McNally MA, Sendi P.** The Classification of Long Bone Osteomyelitis: A Systemic Review of the Literature. *J Bone Joint Infect* 2017; 2(4): 167-174.
- 74 **Lora-Tamayo J, Senneville E, Ribera A et al** The not-so-good prognosis of streptococcal periprosthetic joint infection managed by implant retention: the results of a large multicenter study. *Clin Infect Diseases* 2017; 64(12): 1742-1752.
- 75 **McNally MA.** Postscript to “The History of the European Bone and Joint Infection Society; G Walenkamp” *J Bone Joint Infect* 2018; 3(2): 80-81.

- 76 **Sanderson ND, Street TL, Foster D, Swann J, Atkins BL, Brent AJ, McNally MA, Oakley S, Taylor A, Peto TEA, Eyre DW, Crook DW.** Real-time analysis of nanopore-based metagenomic sequencing from infected orthopaedic devices. *BMC Genomics* 2018; 19: 714-725.
- 77 **Metsemakers WJ, Moriarty TF, Kuehl R, Richards RG, McNally MA, Verhofstad MHJ, et al.** International survey among orthopaedic trauma surgeons: Lack of a definition of fracture-related infection. *Injury* 2018;49(3):491-6.
- 78 **Morgenstern M, Vallejo A, McNally MA, Moriarty TF, Ferguson JY, Nijs S, Metsemakers WJ.** The effect of local antibiotic prophylaxis in open limb fractures: a systematic review and meta-analysis. *Bone Joint Res* 2018; 7:447-456.
- 79 **Metsemakers WJ, Morgenstern M, McNally MA et al.** Fracture-related infection: A consensus on definition from an international expert group. *Injury* 2018; 49(3):505-510
- 80 **Shirley R, Fazekas J, McNally MA, Ramsden A.** Costs and remuneration for osteomyelitis treatment involving free flaps: Implications for return to theatre *J Bone Joint Infect* 2018; 3(1): 15-19.
- 81 **Morgenstern M, Athanasou NA, Ferguson JY, Metsemakers WJ, Atkins BL, McNally MA.** The value of quantitative histology in the diagnosis of fracture-related infection. *Bone Joint J* 2018; 100-B: 966-972.
- 82 **Onsea J, Depypere M, Govaert GAM, Kuhl R, Vandendriessche T, Morgenstern M, McNally MA, Trampuz A, Metsemakers WJ.** Accuracy of tissue and sonication fluid sampling for the diagnosis of fracture-related infection: a systematic review and critical appraisal. *J Bone Joint Infection* 2018; 10(3): 173-181
- 83 **van den Kieboom J, Bosch P, Plate JDJ, IJpma FFA, Kuehl R, McNally MA, Metsemakers WJ, Govaert GAM.** Diagnostic accuracy of serum inflammatory markers in fracture-related infection: A systematic review and meta-analysis. *Bone Joint J* 2018; 110-B: 1542-50.
- 84 **Dudareva M, Barrett L, Figtree M, Scarborough M, Watanabe M, Newnham R, Wallis R, Oakley S, Kendrick B, Stubbs D, McNally MA, Bejon P, Atkins BA, Taylor A, Brent AJ.** Sonication versus tissue sampling

for diagnosis of prosthetic joint and other orthopedic device-related infections. *J Clin Microbiol* 2018; 56(12): 1-12.

- 85 **Bezstarosti H, Van Lieshout EMM, Voskamp LW, Kortram K, Obremskey W, McNally MA, Metsemakers WJ, Verhofstad MHJ.** Insights into treatment and outcome of fracture-related infection: a systematic literature review. *Arch Orthop Trauma Surg* 2018; on-line October
- 86 **Ferguson J, Wong THN, Atkins BL, McNally MA.** Osteomyelitis *BMJ Best Practice* 2018; <https://newbp.bmj.com/topics/en-gb/354?q=Osteomyelitis&c=suggested>
- 87 **Jennison T, Giordmaina R, McNally MA.** Fibular non-union in distraction osteogenesis of the tibia. *Orthop Trauma: Surgery & Research* 2018; 104: 1249-1252.
- 88 **Bori G, McNally MA, Athanasou NA.** Histopathology in Periprosthetic Joint Infection: When will the morphomolecular diagnosis be a reality? *BioMed Research International* 2018, doi.org/10.1155/2018/1412701
- 89 **Iwata E, Scarborough M, Bowden G, McNally MA, Tanaka Y, Athanasou NA.** The role of histology in the diagnosis of spondylodiscitis: correlation with clinical and microbiological findings. *Bone Joint J* 2019; 101-B: 246–252.
- 90 **Li H-K, Rombach I, Zambellas R, Walker AS, McNally MA, et al.** Oral versus Intravenous Antibiotics for Bone and Joint Infection *N Engl J Med* 2019; 380: 425-36. doi: 10.1056/NEJMoa1710926
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- 92 **Chan J, Ferguson J, Scarborough M, McNally MA, Ramsden A.** Management of Post-traumatic Osteomyelitis in the Lower Limb: Current State of the Art *Ind J Plast Surg* 2019; 52: 62-72. <https://doi.org/10.1055/s-0039-1687920>
- 93 **Ferguson J, Athanasou N, Diefenbeck M, McNally MA.** Radiographic and histological analysis of a synthetic bone graft substitute eluting gentamicin in the treatment of chronic osteomyelitis. *J Bone Joint Infect* 2019; 4(2): 76-84.

- 94 **Mifsud M, McNally MA.** Local delivery of antimicrobials in the treatment of bone infections. *Orthop Trauma* 2019; 33(3): 160-165.
- 95 **Sigmund IK, McNally MA.** Diagnosis of bone and joint infections. *Orthop Trauma* 2019; 33(3): 144-152.
- 96 **Hotchen AJ, Dudareva M, Ferguson JY, Sendi P, McNally MA.** The BACH Classification of long bone osteomyelitis. *Bone Joint Res* 2019; 8: 459-468.
- 97 **McMeekin N, Geue C, Briggs A, Rombach I, Li HK, Bejon P, McNally M, Atkins BL, Scarborough M.** Cost-effectiveness of oral versus intravenous antibiotics (OVIVA) in patients with bone and joint infection: evidence from a non-inferiority trial. *Wellcome Open Research* 2019; 4:108.
- 98 **Dudareva M, Hotchen AJ, Ferguson J, Hodgson S, Scarborough M, Atkins BL, McNally MA.** The microbiology of osteomyelitis: changes over ten years. *J Infection* 2019; 79: 189-198.
- 99 **Kendall JV, McNally MA, Taylor C, Ferguson J, Galitzine S, Critchley P, Giele H, Ramsden AJ.** The effect of age on outcome in excision of chronic osteomyelitis with free muscle flap reconstruction. *J Bone Joint Infect* 2019; 4: 181-188.
- 100 **Olesen UK, Nygaard T, Prince DE, Gardner MP, Singh UM, McNally MA, Green CJ, Herzenberg JE.** Plate-assisted Bone Segment Transport With Motorized Lengthening Nails and Locking Plates: A Technique to Treat Femoral and Tibial Bone Defects. *JAAOS Glob Res Rev* 2019;3:e064 DOI: 10.5435/JAAOSGlobal-D-19-00064
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- 103 **Metsemakers W-J, Morgenstern, M, Senneville E, Borens O, Govaert GAM, Onsea J, Depypere M, Richards RG, Trampuz A, Verhofstad**

- MHJ, Kates SL, Raschke M, McNally MA, Obremsky WT.** General treatment principles for fracture-related infection: recommendations from an international expert group. *Arch Orthop Trauma Surg* 2020; 140(8): 1013-1027. doi.org/10.1007/s00402-019-03287-4
- 104 Dudareva M, Kumin M, Vach W, Kaier K, Ferguson J, McNally M, Scarborough M.** Short or Long Antibiotic Regimes in Orthopaedics (SOLARIO): a randomized controlled open-label non-inferiority trial of duration of systemic antibiotics in adults with orthopaedic infection treated operatively with local antibiotic therapy. *Trials* 2019; 20: 693
- 105 Depypere M, Kuhl R, Metsemakers W-J, Senneville E, McNally MA, Obremsky WT, Zimmerli W, Atkins BL, Trampuz A.** Recommendations for systemic antimicrobial therapy in fracture-related infection: a consensus from an international expert group *J Orthop Trauma* 2020; 34: 30-41.
- 106 Govaert GAM, Kuhl R, Atkins BL, Trampuz A, Morgenstern M, Obremsky WT, Verhofstad MHJ, McNally MA, Metsemakers W-J.** Diagnosing Fracture-related Infections: current concepts and recommendations. *J Orthop Trauma* 2020; 34(1): 8-17. DOI: 10.1097/BOT.0000000000001614
- 107 Sigmund IK, Ferguson J, Govaert G, Stubbs D, McNally MA.** Comparison of Ilizarov Bifocal, Acute Shortening and Relengthening, with Bone Transport in the Treatment of Infected, Segmental Defects of the Tibia. *J Clin Med* 2020; 9:279; doi:10.3390/jcm9020279
- 108 Obremsky W, Metsemakers W-J, Schlatterer DR, Tetsworth K, Egol K, Kates S, McNally M.** Musculoskeletal Infection in Orthopaedic Trauma. Assessment of the 2018 International Consensus Meeting on Musculoskeletal Infection. *J Bone Joint Surg Am.* 2020; 00 :e1(1-9) <http://dx.doi.org/10.2106/JBJS.19.01070>
- 109 Bezstarosti HMW, Van Lieshout EMM, Voskamp LW, Kortram K, McNally MA, Marais LC, Verhofstad MHJ.** Management of critical-sized bone defects in treatment of complex fracture-related infection; a systematic review and pooled analysis. *Arch Orthop Trauma Surg* 2020 *in press*
- 110 Galitzine S, Wilson K, Edington M, Burumdayal A, McNally M.** Patients' reported experiences and outcomes following surgical excision of lower limb osteomyelitis and microvascular free tissue reconstruction under 'awake'

epidural anaesthesia and sedation. *The Surgeon* 2020; on-line 29 June 2020; doi.org/10.1016/j.surge.2020.05.001

- 111 **Sigmund IK, Dudareva M, Watts D, Morgenstern M, Athanasou NA, McNally MA.** Limited diagnostic value of serum inflammatory biomarkers in the diagnosis of fracture-related infections. *Bone Joint J* 2020; 102-B(7): 904-911. doi:10.1302/0301-620X.102B7
- 112 **McNally M, Govaert G, Dudareva M, Morgenstern M, Metsemakers W-J.** Definition and diagnosis of fracture-related infection. *EFORT Open Rev* 2020; 5: 614-619. DOI: 10.1302/2058-5241.5.190072
- 113 **Corrigan RA, Cabeza JL, Stubbs D, McNally M.** *Clostridium cadaveris* Osteomyelitis: an unusual pathogen which highlights the importance of deep tissue sampling in chronic osteomyelitis. *J Bone Joint Infect* 2020; 5: 96-100 doi: 10.7150/jbji.43801
- 114 **Morgenstern M, Kühl R, McNally MA, Zalavras C, Zimmerli W, Burch M-A, Vandendriessche T, Obrebsky WT, Verhofstad MHJ, Metsemakers W-J.** The influence of duration of infection on outcome of Debridement and Implant Retention (DAIR) in Fracture-related Infection; A systematic review and critical appraisal. *Bone Joint J* 2021; 103-B(2): 213-221.
- 115 **Hotchen AJ, Dudareva M, Corrigan RA, Ferguson JY, McNally MA.** Can we predict outcome after treatment of long bone osteomyelitis? A study of patient-reported quality of life, stratified with the BACH Classification. *Bone Joint J* 2020 102-B(11): 1587-1596.
- 116 **McNally MA, Sousa R, Wouthuyzen-Bakker M, Chen AF, Soriano A, Vogely HC, Clauss M, Higuera-Rueda CA, Trebse R.** The EBJIS Definition of Prosthetic Joint Infection: a practical guide for clinicians. *Bone Joint J* 2021 103-B(1): 18-25.
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- 118 **Dudareva, M, Barrett L, Oakley S, Jesuthasan G, Morgenstern M, Atkins BL, Brent AJ, McNally MA.** Providing an evidence base for tissue sampling

and culture interpretation in suspected fracture-related infection. *J Bone Joint Surg Am* 2021; in press

119 Mifsud M, Ferguson JY, Stubbs DA, Ramsden AJ, McNally MA.

Simultaneous debridement, Ilizarov reconstruction and free muscle flaps in the management of complex tibial infection. *J Bone Joint Infect* 2020; 6: 63-72.
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Books and Book Chapters

- 1 **McNally MA, Mollan RAB** Cost benefits in DVT prophylaxis. in Venous Thromboembolism Ed. GDO Lowe *Oxford symposium series* 1991: 17-29.
- 2 **Croal SA, McNally MA, Mollan RAB.** “Strain gauge plethysmography for the detection of deep vein thrombosis” In: *Clinical Aspects of Biomedicine: Experimental Mechanics*. Elsevier Scientific Publications, 1992: 313-322.
- 3 **McNally MA.** “Complications of Trauma” In: *Trauma Care: A Team Approach*. Butterworth-Heinemann, 2000: 126-136.
- 4 **McNally MA, Catagni M.** “Principles of Circular External Fixation in Trauma” In: *Oxford Textbook of Orthopaedics and Trauma* Oxford University Press 2002: 1736-1748.
- 5 **Cole AS, McNally MA.** “The Management of Open Fractures” In: *Oxford Textbook of Orthopaedics and Trauma* Oxford University Press 2002: 1636-1651.
- 6 **Berendt A, McNally MA.** “Osteomyelitis” In: *Oxford Textbook of Medicine; 4th Ed.* Oxford University Press 2004; 19.3: 179-184.
- 7 **Berendt A, McNally MA.** “Diseases of bones and joints: Infection” In: *Bailey & Love’s Short Practice of Surgery, 24th Ed.* Arnold 2004: 419-430.
- 8 **Oxford Handbook of Orthopaedics and Trauma** Eds Bowden G, McNally MA, Thomas SRYW, Gibson A. Oxford University Press 2010
- 9 **McNally MA, Catagni M.** “Principles of Circular External Fixation in Trauma” In: *Oxford Textbook of Orthopaedics and Trauma 2nd Ed.* Oxford University Press 2011: 968-978.
- 10 **McNally MA, Matthews P, Bejon P.** “Infection of the bones and joints” In: *Bailey & Love’s Short Practice of Surgery 26th Ed.* Hodder Arnold 2012: 541-549.
- 11 **Infections of the musculoskeletal system** Translation Editor MA McNally *Swiss Orthopaedics & The Swiss Society for Infectious Diseases.* 2014

- 12 **McNally MA, Sendi P.** “Implant-associated osteomyelitis of long bones” In: *Bone and Joint Infections: from microbiology to diagnostics and treatment*. Ed. W Zimmerli. Wiley & Sons 2015: 303-323.
- 13 **McNally MA** “Infection after Fracture” In: *Principles of Orthopedic Infection Management*. Eds: SL Kates & O Borens. AO Trauma Thieme Verlag 2016; 139-165.
- 14 **Lammens J, Oschner PE, McNally MA** “Infected Non-union” In: *Principles of Orthopedic Infection Management*. Eds: SL Kates & O Borens. AO Trauma Thieme Verlag 2016; 166-188.
- 15 **McNally MA, Matthews P** “Infection of the bones and joints” In: *Bailey & Love’s Short Practice of Surgery 27th Ed.* CRC Press 2018; 38.
- 16 **McNally MA, Berendt AR.** “Osteomyelitis” In: *Oxford Textbook of Medicine; 6th Ed.* Oxford University Press 2020; 20.3: 4688-4695.
- 17 **McNally MA.** “Foreword” In : *Racing for the Surface; antimicrobial and interface tissue engineering*. Eds: B Li B, TF Moriarty, T Webster, M Xing. Springer-Nature 2020
- 18 **Ferguson JY, Morgenstern M, Stubbs DA, McNally MA.** “Infected Non-union around the Knee”. In: *Strategies in Fracture Treatment- Fractures around the Knee*. Eds: M Hanschen, J Waddell, P Biberthaler Springer-Nature 2020 *in press*
- 19 **McNally MA.** “Osteomyelitis” In: *Management of Orthopaedic Infections: a practical guide*. Ed; A. Chen. Thieme 2021 *in press*
- 20 **Sendi P, Morgenstern M, Metsemakers W-J, McNally MA.** “Fracture-related Infection of long bones” In: *Bone and Joint Infections: from microbiology to diagnostics and treatment*. 2nd Edition Ed. W Zimmerli. Wiley & Sons 2021; *in press*.
- 21 **Burns, J, Conway J, McNally MA.** “Local antibiotic drug delivery systems for pediatric musculoskeletal infections”. In: *Pediatric Musculoskeletal infections: principles and practice*. Eds; J Fernandes, MV Belthur, AS Ranadae, MJ Herman. Springer-Nature 2021 *in press*
- 22 **McNally MA** “Infection of the bones and joints” In: *Bailey & Love’s Short Practice of Surgery 28th Ed.* CRC Press 2021; 41. *in press*

Report to Government Body 1997

McNally MA, Simpson AHRW, Kenwright J. “Advances in the Management of Severe Open Fractures, with special reference to military injuries: a review”

Report to the Defence Evaluation and Research Agency (DERA) of the Ministry of Defence.

Doctor of Medicine Thesis

Venous Thromboembolism in Orthopaedic Surgery.

The Queen’s University of Belfast. 1996

This thesis comprises seven studies on the aetiology of venous thrombosis in orthopaedic patients, the detection of asymptomatic thrombi and the sequelae of thrombosis many years after surgery.

Presentations at National or International Meetings

(*with published abstracts [147 at June 2020])

***British Association of Clinical Anatomists** *Glasgow* 1989.

“Lead Oxide Arteriography: Application to Hard Tissue Research”

Symposium “Venous Thromboembolism:-Progress in Prophylaxis” *London*
1991

“Cost-Benefits in DVT Prophylaxis”

***Biological Engineering Society** *Birmingham* 1991

“An Intelligent Computerised Screener for Deep Vein Thrombosis”

***Combined Meeting of the British Orthopaedic Association and the British Association of Plastic Surgeons** *Cambridge* 1991.

“Infected Tibial Fractures: The Belfast Technique”

Symposium “Deep Vein Thrombosis in Orthopaedic Surgery” *Bristol* 1991

“Detection of DVT in Orthopaedic Patients”

***The British Hip Society** Royal Society of Medicine *London* 1992

“Methods and Costs in the Detection of Deep Vein Thrombosis”

- ***The Association of Physical Scientists in Medicine** *Kilkenny* 1991
 “Detection of Blood Clots using Strain Gauge Plethysmography”
- ***The Ninth Combined Meeting of the Orthopaedic Associations of the English-speaking World** *Toronto* 1992
 “Non-invasive detection of Deep Vein Thrombosis in orthopaedic patients by computerised strain gauge plethysmography: The Belfast DVT Screener”
- ***Third International Conference on Technology Transfer between high-tech Engineering and Biomechanics** *Limerick* 1992
 “Strain Gauge Plethysmography for the Detection of Deep Venous Thrombosis”
- ***The British Orthopaedic Association Annual Meeting** *London* 1992
 “Is non-invasive screening cost-effective in the management of deep vein thrombosis?”
- ***The International Society for Fracture Repair (ISFR-92)** *Brussels* 1992
 “Two stage closed management of the infected tibial fracture: The Belfast Technique”
- ***The Irish Orthopaedic Association** *Enniskillen* 1992
 “Reducing the cost of diagnosis of DVT in orthopaedic patients”
- ***The British Hip Society** *Stanmore* 1993
 “A practical screener for deep vein thrombosis after total hip replacement”
- ***Seventh International Biomechanics Seminar** *Göteborg* 1993
 “The effect of total hip replacement on lower limb blood flow”
- ***European Congress of Orthopaedics** *Paris* 1993 [*Invited Lecture*]
 “The detection of deep vein thrombosis in orthopaedic patients”
- ***European Congress of Orthopaedics** *Paris* 1993
 “Two stage closed management of chronic osteomyelitis”
- The Ulster Biomedical Engineering Society** *Ballycastle* 1993
 “A theoretical model of blood flow during strain gauge plethysmography”
- ***The British Orthopaedic Association Instructional Course** *Torquay* 1993
 §“The natural history of deep vein thrombosis in total hip replacement”
- §Awarded Prize for Best Paper
 “A practical screener for deep vein thrombosis after total hip replacement”
- Queen’s University Public Lecture** *Belfast* 1993 [*Invited Lecture*]

“Rat poison, snake venom and leech saliva: What next in deep vein thrombosis?”

***The British Hip Society** *Torquay* 1993 [*Invited Lecture*]

“Why do veins thrombose after total hip replacement?”

***The British Orthopaedic Association Annual Meeting** *Nottingham* 1994

“The post-phlebotic syndrome five years after total hip replacement”

“Postoperative bleeding, thromboprophylaxis and total hip replacement”

“Thigh versus knee length compression stockings in the prevention of venous stasis”

§“Intramedullary Nailing for Tibial Non-union”

§Awarded Prize for 3rd Best Paper

***The Irish Orthopaedic Association** *Newcastle* 1994

“Thigh versus knee length compression stockings in the prevention of venous stasis”.

***The Association of Physical Scientists in Medicine** *Sligo* 1994

“Should our patients wear stockings?”

The International Conference on Skeletal Trauma *Valbella* 1995

[*Invited Lecture*] “Intramedullary Nailing for Tibial Non-union”

“The management of proximal femoral fractures”

***The Irish Orthopaedic Association** *Cork* 1995

“Foot Movement and Venous Blood Flow after Lower Limb Surgery”.

“DVT, Prophylaxis and Bleeding”.

***The British Orthopaedic Association Annual Meeting** *Aberdeen* 1995

“Toe wiggling and venous stasis after total hip replacement”

“Coagulation changes after total hip replacement”

***The British Trauma Society** *Leeds* 1995

“Primary stabilisation and free tissue transfer for Grade IIIb open tibial fractures”

“Use of minimally reamed small diameter tibial nails in open tibial fractures”

The British Orthopaedic Association *Llandudno* 1996 Information Technology

Symposium “Live Internet Link”.

Smith and Nephew Richards Symposium *Belfast* 1996

[*Invited Lecture*] “Challenges in Femoral Reconstruction”.

***The Irish Orthopaedic Association** *Newcastle* 1996

“Primary stabilisation and free tissue transfer for Grade IIIb open fractures of the tibia”.

EFORT Travelling Fellows Lecture *Berlin* 1996

“Soft tissue reconstruction after Grade IIIb open tibial fractures”

Queen’s University Public Lecture *Belfast* 1996 [*Invited Lecture*]

“Modern Management of Difficult Tibial Fractures”

BOA Instructional Course *York* 1997

“Venous haemodynamics in both lower limbs following total knee replacement”.

***British Orthopaedic Research Society** *Sheffield* 1997

“Disturbance of venous haemodynamics after hip and knee replacement and the relationship to venous thrombogenesis”.

***European Orthopaedic Research Society** *Barcelona* 1997

“Changes in Venous Distensibility and Tone after Total Hip Replacement”.

***European Federation of Orthopaedics and Traumatology (EFORT)** *Barcelona* 1997

“An investigation of lower limb venous function, whole blood coagulation and deep venous thrombosis following proximal femoral fracture”.

***British Orthopaedic Association Annual Meeting** *Cardiff* 1997

"The effects of upper and lower limb cemented arthroplasty on venous haemodynamics”.

"Lengthening over an intramedullary nail for femoral and tibial defects"

***British Orthopaedic Association Annual Meeting** *Cardiff* 1999

“Whole blood thrombelastography profiles following hip fracture- a comparison of low molecular weight heparin, dextran 70 and mechanical prophylaxis”

AOUK Long Bone Group *Derby* 2002

[*Invited Lecture*] “Infected fractures”

Royal Society of Medicine *London* 2003

[*Invited Lecture*] “Chronic Osteomyelitis”

***Association for the Study and Advancement of the Methods of Ilizarov (ASAMI)** *Istanbul* 2004

“Lengthening of short metatarsals by distraction osteogenesis”

***Chartered Society of Physiotherapists** *Birmingham* 2004

[Invited Lecture] “Non-union of Fractures”

***British Orthopaedic Association Annual Meeting** *Manchester* 2004

“Management of chronic osteomyelitis of the femur”

***British Orthopaedic Foot & Ankle Surgery Society (BOFASS)** *Cheshire* 2004

“Ilizarov techniques for salvage ankle arthrodesis”

***Canadian Orthopaedic Association** *Montreal* 2005

“Management of Chronic Osteomyelitis of the Femur”

***Trauma Association of Canada** *Banff* 2005

“Distraction osteogenesis in long bone non-union”

“Treatment of non-union of the humerus”

***British Orthopaedic Oncology Society (BOOS)** *Oxford* 2005

“Extensive epithelioid haemangioendothelioma of the femur treated with wide excision, free fibular graft and plating”

BOA Travellers Association *Oxford* 2005

“Ilizarov Method in non-union of the tibia: an Oxford Algorithm”

5th International & 1st UK Melorheostosis Association *Oxford* 2006

“Surgical options in melorheostosis”

***British Trauma Society** 2006

“Salvage of infected tibial non-unions after ‘fix & flap’ techniques”

Girdlestone Orthopaedic Society *Oxford* 2007

“National survey of surgeons’ views on pain relief techniques following Ilizarov surgery”

“Salvage of failed Sauvé-Kapandji Procedure by Ilizarov Transport of the Proximal Ulnar Stump”

Combined Meeting of British Orthopaedic Association, Association of Medical Microbiologists and British Infection Society *Manchester* 2007

“Surgical management of infected fractures” *[Invited Lecture]*

***The British Orthopaedic Association Annual Meeting** *Manchester* 2007

“Outcomes of a multidisciplinary approach to the management of chronic osteomyelitis of the long bones”

Melorheostosis Association UK *Oxford* 2007 *[Invited Lecture]*

“Surgical management of deformity in melorheostosis “

- *British Society for Childrens' Orthopaedic Surgery (BSCOS) Bristol 2008**
 "Outcome with gait analysis of limb reconstruction for severe forms of fibular hemimelia"
- *World Congress of Anaesthesiologists Cape Town 2008**
 "Anaesthetists' impact on surgeons' views on regional anaesthesia"
- 2nd Masterclass on Long Bone Non-unions Leeds 2009 [Invited Lecture]**
 "Management of tibial non-union with critical size bone defects"
- *The British Orthopaedic Association Annual Meeting Manchester 2009**
 "Infected Metalwork: throw it away or save it for a rainy day?" [Invited Lecture in Instructional Course on Bone and Joint Infection]
- Orthopaedic Trainee Instructional Course Bristol 2009**
 "Understanding Deformity"
- Army Occupational Medicine Cadre Study Day Oxford 2009 [Invited Lecture]**
 "Osteomyelitis in the Military Patient"
- *Oxford Group of Regional Anaesthesia (OXoRA) Oxford 2010 [Invited Lecture]**
 "A surgeon's view of regional anaesthesia"
- *COMOC Glasgow 2010**
 "Control of shear displacement in oblique fractures using the Ilizarov Frame: a biomechanical study"
- Oxford Bone Infection Conference Oxford 2011**
 "Chronic osteomyelitis; what are the surgical options?"
- *British Association of Plastic, Reconstructive and Aesthetic Surgeons (BAPRAS) Oxford 2011**
 "Lower limb microvascular reconstruction under regional anaesthesia. A review of 21 cases"
 "Simultaneous free muscle flap and Ilizarov method for chronic osteomyelitis of the tibia: effectiveness and practicalities"
- *European Federation of Orthopaedics and Traumatology (EFORT) Berlin 2012**
 "Ilizarov ankle arthrodesis: a salvage procedure for complex ankle problems"
- *European Society of Anaesthesia Paris 2012**
 "Combined spinal-epidural anaesthesia with sedation for free gracilis flap surgery lasting over 8 hours"
- Plastic Surgery Academic Day Oxford 2012**

“Osteomyelitis; a multidisciplinary team approach to successful treatment”

British Orthopaedic Trainees Association *Birmingham* 2012

“Understanding Deformity”

***15th WFSA World Congress of Anaesthesiologists** *Buenos Aires* 2012

“Successful epidural anaesthesia with conscious sedation for a 14h15min lower limb orthoplastic procedure involving free gracilis flap: was it worth the trouble?”

2nd Oxford Bone Infection Conference *Oxford* 2012

“Osteomyelitis: surgical management; can we fix it?”

“Workshop on management of diabetic foot infection”

“Epidural anaesthesia; how far can we push?”

Girdlestone Orthopaedic Society *Maceio, Brazil* 2012

“Combined microvascular free muscle flaps and Ilizarov method in complex limb reconstruction”

“Infected metalwork: to keep or not to keep”

***European Bone and Joint Infection Society (EBJIS)** *Montreux, Switzerland* 2012

“Pubic osteomyelitis following radiation osteonecrosis: a chronic, complex and comorbid case series”

“Long bone osteomyelitis: principles and practicalities in surgery”

***The Association for the Study and Advancement of the Methods of Ilizarov (ASAMI)** *Thessaloniki, Greece* 2012 [*Invited Lecture*]

“Ilizarov distraction in combination with microvascular free tissue transfer”

***The Society for General Microbiology** *Dublin* 2012 [*Invited Lecture*]

“The surgical management of orthopaedic implant-related infection”

Miller UK Instructional Course *Eynsham* 2013

“Osteomyelitis: Pathogenesis and principles of management”

3rd Oxford Bone Infection Conference *Oxford* 2013

“Long bone osteomyelitis”

“Patients’ experience and reported outcomes following epidural anaesthesia in major orthoplastic reconstructions for chronic osteomyelitis”

“The use of a biodegradable antibiotic-loaded calcium sulphate carrier containing Tobramycin for the treatment of osteomyelitis”

“Local delivery of antibiotics: old friends and new acquaintances”

***British Limb Reconstruction Society** *Leicester* 2013

§“The incidence and cost of venous thromboembolism in patients undergoing Ilizarov surgery”

§Awarded Best Paper Prize

Girdlestone Orthopaedic Society *Torquay* 2013

“Should we be using low molecular weight heparin in elective Ilizarov surgery?”

***British Orthopaedic Association Annual Meeting** *Birmingham* 2013

“The use of a biodegradable antibiotic loaded calcium sulphate carrier containing tobramycin for the treatment of osteomyelitis”

***British Orthopaedic Oncology Society** *Birmingham* 2013 [*Invited Lecture*]

“Infection or Sarcoma: an evolution of biologic reconstruction”

***European Bone & Joint Infection Society** *Prague* 2013

“Cornerstones in the treatment of osteomyelitis” [*Invited Lecture*]

“Pelvic osteomyelitis managed with a team approach”

“Surgical management of septic non-union: a problem based approach”

“The use of a novel biodegradable antibiotic carrier in the treatment of chronic osteomyelitis”

“The use of a biodegradable antibiotic-loaded calcium sulphate carrier containing tobramycin for the treatment of osteomyelitis”

§“Is complex reconstruction surgery for chronic osteomyelitis safe in the elderly? A comparison of outcomes in the young and old”

§Awarded Prize for Best Clinical Paper

***British Society of Orthopaedic Anaesthetists** *London* 2013

“Formal assessment of patient experiences with epidural anaesthesia and sedation for prolonged orthoplastic surgery”

***EFORT** *London* 2014

“Patient reported experience and outcomes of epidural anaesthesia and sedation for major orthoplastic lower limb surgery”

“Fibula non-union in distraction osteogenesis”

***TIVA-TCI** *Sofia Bulgaria* 2014

“Titrating intravenous sedation to patients’ and surgeons’ requirements during prolonged microvascular orthoplastic surgery under central neuraxial anaesthesia”

Miller UK Instructional Course *Eynsham* 2014 [*Invited Lecture*]

“Osteomyelitis: Pathogenesis and principles of management”

***Nordic Orthopaedic Federation** *Helsinki* 2014 [*Invited Lecture*]

“Bone Infection”

15th International Trauma Care Conference *Telford* 2014 [*Invited Lecture*]

“Managing bone infection in trauma”

***BLRS-OTAI** *Dublin* 2014

“Is healing of the fibula important in distraction osteogenesis of the tibia?”

“Distraction osteogenesis for reconstruction of primary malignant tumours of the long bones”

“The Orthopaedic Revolution: treating osteomyelitis” 2014

www.youtube.com/watch?v=BO-PcuUXKm8

Bonesupport Infection Symposium *Copenhagen* 2014 [*Invited Lecture*]

“Early clinical results with Cerament G in osteomyelitis”

4th Oxford Bone Infection Conference *Oxford* 2014

“A prospective evaluation of Cerament G bone void filler with Gentamicin in the treatment of chronic osteomyelitis with cavitory defects”

“Challenges in infected non-union”

Palacademy Symposium *Utrecht* 2014 [*Invited Lecture*]

“Management of infected fractures and non-unions”

***European Bone & Joint Infection Society** *Utrecht* 2014

“Advances in local delivery of antibiotics for the management of bone infections”

“Gaenslen split-heel approach for chronic osteomyelitis of the calcaneum: an effective new protocol for an old operation”

“A prospective clinical outcome study of a new biphasic absorbable composite carrier with Gentamicin in the treatment of chronic osteomyelitis”

“Does the type of anaesthesia affect the outcome in patients undergoing surgery for osteomyelitis with microvascular muscle flaps”

“Are all calcium sulphate carriers the same? A comparison of two antibiotic carriers in the management of chronic osteomyelitis”

“Sonication for diagnosis of non-prosthetic-joint orthopaedic infections”

Bonesupport Infection Symposium *Utrecht* 2014 [*Invited Lecture*]

“One-stage surgery and the multidisciplinary approach to bone and joint infections”

Girdlestone Orthopaedic Society *Corfu* 2014

“Ilizarov bone transport after segmental resection of primary malignant diaphyseal tumours of the femur and tibia”

“A team approach to management of chronic osteomyelitis of the pelvic bones”

Bone Infection Cadaver Workshop *Mulheim* 2014 *[Invited Lecture]*

“Cerament G in the Management of Chronic Bone Infections” *Invited Lecture*

***BAPRAS Instructional Course** *Manchester* 2014 *[Invited Lecture]*

“Bone sepsis: Principles of Management in Chronic Osteomyelitis”

University of Basel Infection and Bone Defect Symposium *Basel* 2014

“Local delivery of antibiotics in the management of chronic osteomyelitis”

“One-stage surgery and the multidisciplinary approach to bone and joint infections” *Invited Lecture (with Bridget Atkins)*

17th Finnish-Austrian Orthopaedic Trauma Course *Oberlech* 2015

“Single stage osteomyelitis treatment in Oxford” *[Invited Lecture]*

“A prospective clinical outcome study of a new biphasic absorbable composite carrier with Gentamicin in the treatment of chronic osteomyelitis”

***EFORT** *Prague* 2015

§“A biphasic apatite/sulphate bone substitute, Cerament induces bone in a skeletal muscle cell line”

§Awarded Free Paper Prize

“Management of dead space and infected bone defects” *[Invited Lecture]*

***British Limb Reconstruction Society** *Birmingham* 2015

“Closed femoral shortening using the intramedullary saw: a consecutive series with clinical outcomes and practical tips”

“Dead space management in Chronic Osteomyelitis” *[Invited Lecture]*

***NFOO** *Szczecin, Poland* 2015 *[Invited Lecture]*

“Biologic reconstruction in bone tumours”

Advances in the Management of Bone Defects and Infection Symposium *Zurich* 2015

“Multidisciplinary approach to management of bone infections: the Oxford Experience” (with Andrew Woodhouse)

“Cerament G in the treatment of chronic osteomyelitis and infected fractures”

International Expert Panel Meeting Reims 2015

“Optimising outcomes in chronic osteomyelitis”

5th Oxford Bone Infection Conference Oxford 2015

“Orthopaedic management of bone and joint infection”

“Chronic osteomyelitis of the calcaneum: surgical technique, patient management and clinical outcome”

“Gracilis free flap reconstruction in the treatment of osteomyelitis: a 3 year case series from a single unit”

Girdlestone Orthopaedic Society Oxford 2015

“Closed Femoral Shortening using the Intramedullary Saw: a consecutive series with clinical outcomes and practical tips”

“Chronic Osteomyelitis of the Calcaneum”

***European Bone & Joint Infection Society Estoril-Lisbon 2015**

“Income and costs of treating tibial osteomyelitis in the UK- a comparison of limb salvage versus amputation”

“The cost of infection in severe open tibial fractures treated with a free flap”

“A biologic approach to bone defect management in chronic osteomyelitis”

“A comparative study of three bioabsorbable antibiotic carriers in chronic osteomyelitis: 313 patients with minimum one year follow-up”

“A review of 45 open tibial fractures covered with free flaps: analysis of complications, microbiology and prognostic factors”

“Gracilis free flap reconstruction in the treatment of osteomyelitis: a 3 year case series from a single Unit”

“The British Bone and Joint Infection Service Specification”

“A bone and joint infection registry- experience of our first 200 patients prospectively evaluated using a custom-designed, modular database”

“A biphasic bone substitute with gentamicin regenerates bone in osteomyelitis with muscle acting as an osteoinductive niche”

“Squamous cell carcinoma complicating chronic osteomyelitis: clinical features and outcome of a case series”

“Outcome following debridement, antibiotics and implant retention (DAIR) in hip prosthetic infection- an 18 year experience”

§“Tissue culture and sonication for diagnosis of prosthetic joint and orthopaedic device related infection”

§Awarded Prize for Best Clinical Paper

***International Society for Prosthetics and Orthotics** *Oxford* 2016 [*Invited Lecture*]

“Limb lengthening to enable prosthetic use” (with Caroline Ward)

23rd International Symposium for Foot Surgery *Munich* 2016 [*Invited Lecture*]

“Surgical treatment of Osteomyelitis”

Miller UK Instructional Course *Oxford* 2016 [*Invited Lecture*]

“Osteomyelitis: Pathogenesis and principles of management”

Expert Panel Meeting on Bone Infection *Stockholm* 2016 [*Invited Lectures*]

“Osteomyelitis: Principles of Management at the Oxford Bone Infection Unit”

“Local Antibiotics in Chronic Osteomyelitis”

***British Limb Reconstruction Society** *Liverpool* 2016 [*Invited Lecture*]

“The use of antibiotic delivery in reconstruction surgery”

Norwegian Bone & Joint Infection Society *Bergen* 2016 [*Invited Lectures*]

“Treatment of osteomyelitis: local antibiotic carriers, dead space management and bone substitutes”

“Organisation of orthopaedic infection care in the UK”

Bone Infection Symposium *Lausanne* 2016 [*Invited Lecture*]

“Infection of the long bones: from diagnosis to treatment. The place of local antibiotic carriers and other bone substitutes”

AO Trauma Europe Masters Course *Manchester* 2016

“External fixators and infection”

“Infected non-union strategies and algorithm”

“Bone infection- multidisciplinary team”

Expert Panel on Technology Innovations *Milan* 2016

“Management of Chronic Osteomyelitis using bone graft substitutes with local antibiotics” [*Invited Lecture*]

6th Oxford Bone Infection Conference *Oxford* 2016

“What do we know in bone infection surgery?”

***European Bone & Joint Infection Society** *Oxford* 2016

“Patient-friendly surgery in osteomyelitis” [*Invited Lecture*]

“Costs and remuneration of osteomyelitis treatment involving free flaps: implications of return to theatre”

“Radiographic and histological analysis of a synthetic bone graft substitute eluting gentamicin in the treatment of chronic osteomyelitis: a retrospective study in humans”

“Functional outcome of debridement, antibiotics and implant retention (DAIR) in hip periprosthetic joint infection- a case controlled study”

“Audiovisual distraction as an adjunct to epidural anaesthesia in ‘awake’ patients undergoing complex surgery for osteomyelitis”

“Single-stage treatment of chronic osteomyelitis with a gentamicin-loaded, calcium sulphate/hydroxyapatite biocomposite: a prospective series of 100 cases” (*Selected as one of the best 10 papers*)

Pro-implant Foundation Course on Prosthetic Joint Infection Berlin 2016

“Managing bone defects in osteomyelitis, infected fractures and infected non-union”

“Preparation of antimicrobial eluting biocomposites; tips and tricks”

***British Society of Orthopaedic Anaesthetists Oxford 2016**

“Managing difficult orthopaedic patients: the surgeon-anaesthetist partnership”

Girdlestone Orthopaedic Society Oaxaca, Mexico 2016

“The Management of Infected Bone Defects: The Oxford Protocol”

***Southwest Orthopaedic Forum Chongqing, China 2017**

“A gentamicin-loaded biocomposite in the management of chronic osteomyelitis” [*Invited Lecture*]

24th Kölner Unfall Symposium Cologne 2017

“Managing bone defects in infected fractures and non-unions” [*Invited Lecture*]

21st European Society of Clinical Microbiology and Infectious Diseases (ESCMID) Pamplona, Spain 2017 [*Invited Lecture*]

“Local antimicrobial treatment: kinetics of different carriers and indications”

1st Oxford Bone Infection Masterclass Oxford 2017

“40 years of local antibiotics in bone: what have we learned?”

“Challenges with antibiotic carriers; problems, obstacles and complications”

“Single-stage treatment of bone infection: when, why and how”

***European Bone & Joint Infection Society** *Nantes 2017*

- “Outcomes of free tissue transfer in treatment of chronic osteomyelitis”
- “An algorithm protocol comparison of Ilizarov techniques in the management of infected tibial non-union”
- “Assessment of antibiotic adherence in bone and joint infections using the Morisky Adherence Questionnaire and Medication Event Monitoring System”
- “For how long should we review patients after treatment of chronic osteomyelitis? An analysis of recurrence patterns in 759 patients”
- “Oral versus Intravenous antibiotics for the treatment of bone and joint infection (OVIVA): a multicenter, randomized controlled trial”
- “Functional outcome of patients with hip and knee infections treated in the OVIVA multicenter randomized controlled trial”
- “BACH: a new classification system for long bone osteomyelitis”
- §“Metagenomic sequencing for orthopaedic device-related infection”
- “Septic arthritis and osteomyelitis around the shoulder” *[Invited Lecture]*
- §Awarded Prize for Best Paper

***British Limb Reconstruction Society** *Leeds 2017*

- “Ilizarov treatment protocols in the management of infected non-union of the tibia”

Girdlestone Orthopaedic Society *Bergen, Norway 2017*

- “Ilizarov protocols in the management of infected tibial non-union”

38th Societe Internationale de Chirurgie Orthopedique et de Traumatologie (SICOT) *Cape Town 2017 [Invited AO Trauma Workshop]*

- “Fixation device-related infections”

***British Limb Reconstruction Society** *Southampton 2018*

- “The choice of local antibiotic carrier significantly affects outcome in treatment of chronic bone infection”
- “Internal fixation and local antibiotics for infected non-unions; technique and outcome at over one year”
- “Outcomes of simultaneous Ilizarov frame reconstruction and free muscle flaps in the management of complex limb infection”
- §“The value of quantitative histology in the diagnosis of fracture – related infection”
- §Awarded Prize for Best Paper

Nordic Expert Meeting on Bone Infection *Copenhagen* 2018

“Single stage surgery in chronic osteomyelitis”

“Extending indications in limb reconstruction and septic non-unions”

7th Oxford Bone Infection Conference *Oxford* 2018

“Surgical Principles: Diagnostic Workup, Sampling and Primary Closure”

British Association of Plastic, Reconstructive and Aesthetic Surgeons (BAPRAS)

Manchester 2018 [*Invited Lecture*]

“Management of Chronic Bone Infection”

Expert Meeting on Bone Infection *Vienna* 2018

“Principles of Management at the Oxford Bone Infection Unit”

***EFORT** *Barcelona* 2018

“Bone infection: the perfect multidisciplinary condition” [*invited Lecture*]

2nd Oxford Bone Infection Masterclass *Oxford* 2018

“Bone infection: evolution not revolution”

Munich Bone Defect and Infection Meeting *Munich* 2018

“Optimising outcomes by the use of local antibiotic carriers- tips and tricks”

***European Society of Tissue Regeneration in Orthopaedics and Traumatology (ESTROT)** *Heidelberg* 2018 [*Invited Lecture*]

“Local antibiotics in the management of osteomyelitis and infected fractures”

28th Musculoskeletal Infection Society *Philadelphia* 2018 [*Invited Lecture*]

“Single stage treatment of infected fractures and osteomyelitis”

***European Bone & Joint Infection Society** *Helsinki* 2018

§“Factors affecting bone formation in infected defects, filled with an absorbable antibiotic-loaded bone substitute”

§“Microbiology of osteomyelitis at the Oxford Bone Infection Unit: MRSA rates falling”

§“The effect of local antibiotic prophylaxis in open fractures: a systematic review and meta-analysis”

“Getting it right first time: the importance of a structured tissue sampling protocol for diagnosing fracture-related infections”

“An evidence base for tissue sampling and culture interpretation in fracture-related infection”

“The gastrocnemius flap in the management of infected knee prostheses: experience of 115 cases over 21 years in a single centre”

“Management of infected segmental tibial defects with simultaneous Ilizarov bone reconstruction and free muscle flaps”

“Management of critical-sized bone defects in treatment of complex fracture-related infections: a systematic review and pooled analysis”

“Comparison of Ilizarov acute shortening and relengthening with bone transport for treating segmental tibial bone defects”

“Not all ceramic antibiotic carriers are the same; outcomes of two different local antibiotic carriers in the management of chronic osteomyelitis”

“Histological assessment of bone remodeling within a bioabsorbable bone substitute in chronic osteomyelitis”

“Diagnostic accuracy of serum inflammatory markers in fracture-related infection: a systematic review and meta-analysis”

“Microbiological and histological diagnosis of infection in non-unions”
[Invited Lecture]

“The Oxford Protocol” *[Invited Lecture]*

§ *Selected as one of the best 10 papers*

Girdlestone Orthopaedic Society *Perth, Australia* 2018

“The value of quantitative histology in the diagnosis of fracture – related infection”

“Biodegradable ceramic antibiotic carriers are not all the same”

2nd Black Forest Infection Meeting *Stuttgart* 2018

“Longterm outcome in patients with local delivery of gentamicin in chronic osteomyelitis” *[Invited Lecture]*

Federation of Infection Societies *Newcastle* 2018

“Principles of Surgery in Long Bone Osteomyelitis” *[Invited Lecture]*

Royal Society of Medicine Trauma Symposium *London* 2019

“The role of local antibiotics in open and infected fractures” *[Invited Lecture]*

Pro-Implant Foundation *Bratislava* 2019 *[Invited Lectures]*

“Understanding Fracture-related Infection: Definitions, Diagnostic Workup and Sampling”

“Management of Infected Bone Defects at the Oxford Bone Infection Unit”

8th Oxford Bone Infection Conference *Oxford* 2019

“Bones bugs and drugs; surgical management in bone & joint infection”

“Oxford surgical protocols for osteomyelitis”

2nd Nordic Expert Meeting on Bone Infection *Oslo 2019 [Invited Lectures]*

“Septic non-union and local antibiotics”

“Single Stage Surgery in Chronic Osteomyelitis”

“Reducing systemic AB with local antibiotic elution; the SOLARIO trial”

25th Annual Meeting of the Swiss Society for Biomaterials and Regenerative Medicine *Basel 2019 [Invited Lecture]*

“Biodegradable antibiotic carriers in the prevention and treatment of bone infections”

23rd European Society of Clinical Microbiology and Infectious Diseases (ESCMID) *Amsterdam 2019 [Invited Lecture]*

“Fracture-related Infection”

ESCMID Postgraduate Education Course *Groningen 2019 [Invited Lecture]*

“Reaching consolidation in infected fracture; surgical aspects”

Girdlestone Orthopaedic Society *Oxford 2019*

“Why bother with a Bone Infection Unit?”

“Managing Cavitary Infected Defects”

28th Musculoskeletal Infection Society *New York 2019 [Invited Lecture]*

“Evolution of Local Antibiotics in the Management of Bone Infection: The Oxford Experience”

4th Combined meeting of the ASAMI-BR & ILLRS *Liverpool 2019*

“Antibiotic-loaded Cerament G[®] with Internal Fixation: The Oxford Experience” *[Invited Lecture]*

***European Bone & Joint Infection Society** *Antwerp 2019*

“Treatment and outcomes of calcaneal osteomyelitis in adults: a systematic review”

“Unexpected osteoarticular tuberculosis: review of outcomes following biofilm-targeted surgical management”

“Antibiotic treatment and microbiological findings in complex fracture-related infections; a systematic literature review”

“Does the BACH classification of long bone osteomyelitis correlate with patient outcome measures following surgery?”

“The financial burden of treating osteomyelitis in the UK”

§”The value of serum inflammatory markers in the diagnosis of fracture-related infections”

“The new EBJIS Criteria for the Diagnosis of PJI”

§ *Selected as one of the best 10 papers*

23rd Japanese Orthopaedic Trauma Seminar (JOTS) Tokyo 2019 [Invited Lecture]

“Management of Complex Osteomyelitis and Fracture-Related Infections”

***56th Congress of the Argentinian Association of Orthopaedics and Traumatology Buenos Aires 2019 [Invited Lectures]**

“Management of Infected Non-union of the Tibia: an algorithm of simple decisions”

“Simultaneous Ilizarov Method with Free Tissue Transfer in Fracture-related Infection”

“Management of Complex Infection after Fracture: *The Oxford Protocol*”

2nd ‘Heroes of Septic Surgery Symposium’ Graz 2020 [Invited Lecture]

“Osteomyelitis: treatment concepts and limitations”

Poster Presentations

Queen’s University of Belfast Faculty of Medicine Research Meeting 1992

Computerised Strain Gauge Plethysmography for the detection of Deep Vein Thrombosis

***Biosciences London 1993 Non-invasive Diagnosis in Lower Limb Venous Thrombosis**

Queen’s University of Belfast Faculty of Medicine Research Meeting 1993

Total hip replacement, lower limb blood flow and venous thrombogenesis

Queen’s University of Belfast Faculty of Medicine Research Meeting 1995 The use of small diameter, minimally-reamed intramedullary nails in the treatment of open tibial fractures

***British Orthopaedic Research Society Sheffield 1997** Changes in Venous Distensibility and Tone after Total Hip Replacement

***European Federation of Orthopaedics and Traumatology (EFORT) Prague 2004**

Tibial Non-union: outcome of Ilizarov external fixation

Iliizarov technique for salvage ankle arthrodesis

Treatment of non-union of the femur

Treatment of non-union of the humerus

***British Orthopaedic Association Annual Meeting** *Manchester* 2004

Iliofemoral distraction and subsequent hip reconstruction in the treatment of the late sequelae of a septic dislocated hip with chronic femoral osteomyelitis

***International Society for Fracture Repair** *Bologna* 2004

Tibial Non-union: outcome of Iliizarov external fixation

Iliizarov technique for salvage ankle arthrodesis

Treatment of non-union of the humerus.

Oxford University Medical School Undergraduate Symposium 2010

Evaluating the role of antibiotic-loaded calcium sulphate in the treatment of chronic osteomyelitis

Oxford University Medical School Undergraduate Symposium 2011

The use of Iliizarov frames for unhealed fractures of the lower limb

***European Federation of Orthopaedics and Traumatology (EFORT)** *Berlin*

2012

Simultaneous free muscle flap and Iliizarov Method for post-traumatic infection of the tibia. The Oxford Experience

2nd Oxford Bone Infection Conference *Oxford* 2012

Feasibility of combined spinal-epidural anaesthesia with sedation for major reconstructive procedures in patients with lower limb osteomyelitis

British Limb Reconstruction Society *Leicester* 2013

Osteoid osteoma after fracture of the distal tibia

3rd Oxford Bone Infection Conference *Oxford* 2013

Pelvic osteomyelitis managed with a multidisciplinary team approach

Should we be undertaking complex reconstructive surgery in an elderly population presenting with chronic bone infection?

The use of Prodense as an antibiotic carrier in the treatment of chronic osteomyelitis

ASAI0 *Chicago* 2013

External fixator pin coatings used to reduce the incidence of infection

BAPRAS *Dublin* 2013

Comparing types of anaesthesia in complex lower limb osteomyelitis surgery with free flap reconstruction; an analysis of the impact of anaesthetic technique on surgical and patient outcomes

4th Oxford Bone Infection Conference *Oxford* 2014

The anaesthetic challenges of an orthoplastic procedure in a high risk patient with shoulder osteomyelitis: a case of two continuous nerve infusion catheters

***EFORT** *Prague* 2015

Cell factory derived growth factors and extracellular matrix (ECM) proteins differentiate rat skeletal muscle cells into bone

5th Oxford Bone Infection Conference *Oxford* 2015

Squamous cell carcinoma complicating chronic osteomyelitis: clinical features and outcome of a case series

A bone infection registry- demonstrating a united front against orthopaedic infection

European Bone & Joint Infection Society *Oxford* 2016

Anaesthesia for orthoplastic surgery in paraplegic patients with pelvic osteomyelitis: Keep it simple

Osteomyelitis within ectopic ossification in the lower limb: a case report

The OVIVA trial (Oral versus intravenous antibiotics in bone and joint infection)- preliminary baseline data from seven UK centres

The current classification systems of osteomyelitis

Diagnosis of infection in fracture non-union: a preliminary evaluation of histology, microbiology and clinical features

Staphylococcus Lugdunensis: an important cause of device-related orthopaedic infection

Molecular diagnosis of prosthetic infections by next-generation sequencing

***British Society of Orthopaedic Anaesthetists** *Oxford* 2016

Management of median nerve injury associated with a difficult brachial plexus block and medial approach to the distal humerus

***World Society of Reconstructive Microsurgery** *Seoul, Korea* 2017

Costs and remuneration of osteomyelitis treatment involving free flaps: implications of return to theatre

European Bone & Joint Infection Society *Nantes* 2017

Small segmental defect infected non-unions treated with excision, stabilization and a bioabsorbable antibiotic carrier; technique and outcome at a minimum of one year

European Bone & Joint Infection Society Helsinki 2018

The value of quantitative histology in the diagnosis of fracture-related infection

A systematic review of the accuracy of tissue and sonication fluid sampling for the diagnosis of fracture-related infection

Inter-user assessment of the BACH classification of long bone osteomyelitis

Insights into treatment and outcome of fracture-related infections: a systematic literature review