

CURRICULUM VITAE

Professor Paul Coulthard

BDS MDS PhD MFGDP(UK) FDS,RCS(Eng) FDS,RCS(OS)
FDS,RCPS(Glas) FFDT,RCS(Ed), FDS,RCS(Ed)

January 2023

PERSONAL INFORMATION

Name	Paul Coulthard
Home Address	Apartment 2, 5 Handel Street, London, WC1N 1PB
Date of birth	02.11.1957
Nationality, Marital status	British, Married with three children

PROFESSIONAL EDUCATION

1981	BDS University of Manchester
1991	MDS <i>Benzodiazepines and Pain Measurement with EEG</i> University of Manchester
1992	MFGDP (UK) Royal College of Surgeons of England
1993	FDSRCS(Eng) Royal College of Surgeons of England
1997	Advanced Life Support Instructorship Resuscitation Council (UK)
1999	PhD (Neuroscience) <i>A Pain Model for Wind-up Mechanisms and their controls</i> School of Biological Science, University of Manchester
2000	FDSRCS(OS) Specialty Fellowship in Oral Surgery Royal College of Surgeons Intercollegiate Board
1.5.2000	Certificate of Completion of Specialist Training in Oral Surgery General Dental Council
2002	Membership, Institute for Learning and Teaching in Higher Education (ILT), (ILT merged with NCT to form Higher Education Academy in 2004)
2006	Diplôme D'Honneur, <i>Anatomy of the Head and Neck</i> Lille 2 University Medical School, Lille, France
2019	FDSRCPS(Glas) Awarded for contribution of distinction to specialty and dental profession, Royal College of Physician and Surgeons of Glasgow
2020	FFDTRCS(Ed) Awarded for commitment to excellence in education and training, The Royal College of Surgeons of Edinburgh
2021	FDSRCS(Ed) Awarded Fellowship in Dental Surgery without examination, recognising award of Specialist examination of Surgical College of England

PRESENT APPOINTMENT

02.01.2019 **Dean for Dentistry & Director, and Professor of Oral & Maxillofacial Surgery,** Queen Mary University of London, Institute of Dentistry, Barts and The London School of Medicine and Dentistry, Turner Street, London, E1 2AD.

02.01.2019 **Honorary Consultant in Oral Surgery,** Barts Health NHS Trust

PREVIOUS POSTS

01.03.2018 Interim **Vice-Dean, Faculty of Biology, Medicine and Health** and **Head of the School of Medical Sciences,** The University of Manchester

01.08.2013 **Head of School of Dentistry,** The University of Manchester

01.04.2004 **Professor in Oral and Maxillofacial Surgery** (Personal Chair)
The University of Manchester

01.06.2001 **Honorary Consultant in Oral Surgery**
Manchester University Hospitals NHS Foundation Trust

2000 to 2004 **Senior Lecturer in OMFS,** University of Manchester
Head of Academic and Clinical Department of OMFS

2004 to 2008 **Director of Graduate Education and Research,** School of Dentistry

2011 to 2012 **Dental Divisional Research Lead**
Central Manchester University Hospitals NHS Foundation Trust

2009 to 2013 **Clinical Lead for Oral Surgery Service**
Central Manchester University Hospitals NHS Foundation Trust

2011 to 2013 North Western Deanery **Training Programme Director** for Oral Surgery, Oral Medicine, Dental and Maxillofacial Radiology, Oral and Maxillofacial Pathology, Special Care Dentistry, and Dental Public Health

CLINICAL AND ACADEMIC TRAINING

General Clinical Training and Masters Research Training

1982 - 1985 Associate General Dental Practitioner, Failsworth, North Manchester

1985 - 1986 Primary Care Registrar, Army & Air Force Hospitals, Khamis Mushait, Kingdom of Saudi Arabia

1988 - 1993 Associate General Dental Practitioner, Sheffield
MDS Postgraduate Student (part-time)

Basic Surgical Training in Oral & Maxillofacial Surgery (OMFS) and Anaesthesia

- 1981 - 1982 OMFS Resident SHO, Manchester Royal Infirmary
- 1986 - 1986 OMFS Resident SHO, Charring Cross & St. Stephens, London
- 1986 - 1986 OMFS Resident SHO, North Cumbria Hospitals, Carlisle
- 1986 - 1987 Anaesthesia Resident SHO, Manchester Royal Infirmary
- 1987 - 1988 OMFS Resident SHO, South Manchester University Hospital

Higher Surgical Training and Research Training

- 1993 - 2000 Lecturer OMFS, University of Manchester
Honorary Registrar and Senior Registrar/Specialist Registrar
Academic Oral and Maxillofacial Surgery Higher Surgical Training Programme
PhD student (part-time)

PROFESSIONAL BODIES

- British Association of Oral Surgeons, *President*
- British Association of Oral and Maxillofacial Surgeons *Fellow*
- International Association of Oral and Maxillofacial Surgeons *Fellow*
- Association of British Academic Oral and Maxillofacial Surgeons, *Committee Member*
- International Association for Dental Research (and British section), *Past Group President, Past Institutional Councillor* and currently *Group Councillor*
- Dental Sedation Teachers Group, *Committee Member & Past Chairman*
- All four UK Royal Colleges of Surgeons *Fellow*
- Faculty of General Dental Practitioners (UK)
- General Dental Council 55471 / Medical Defence Union 161821D

RESEARCH CONTRIBUTIONS

STATEMENT ON RESEARCH

- As a clinical academic my personal mission is to produce best research evidence to inform clinical practice and improve the quality of patient care.
- My first experience of postgraduate research was a human volunteer study to investigate the relationship between pain and anxiety. This involved the acquisition of numerous new skills ranging from the recruitment of subjects to the recording of somatosensory evoked potentials from median nerve stimulation and lead to the award of an MDS. I gained a thorough understanding of pain measurement and modulation.
- Further to my MDS research I gained experience of randomised controlled trials performed both independently and in collaboration with the pharmaceutical industry. I then undertook a laboratory scientific training in neuropsychopharmacology leading to the award of a PhD.
- I was subsequently awarded a Health Foundation Mid-Career Break Award that provided the opportunity for training in Cochrane Systematic Review writing and developing my health service research.
- I am particularly interested in how to translate best research evidence into everyday clinical practice and how to overcome the barriers that can prevent this.
- In the 2014 Research Exercise Framework (REF) the School of Dentistry in Manchester as part of the Unit of Assessment 3, UoA3, (Allied Health Professions, Dentistry, Nursing and Pharmacy) was judged to be number **ONE** of the 94 submissions from across the UK in terms of overall research performance including outputs, environment and impact. Within Manchester University UoA3 was one of the highest scoring.
- Since my appointment at Queen Mary University of London as Dean & Director of the Institute of Dentistry, in January 2019 the QS World University Rankings has escalated from more than 75th in the world to being ranked **11th in the world** and 2nd in the UK in 2020 and 14th in 2021. The Ranking is based on an Overall Score composed of scores for Employer Reputation, H-Index Citations, Citations per Paper and Academic Reputation. Dentistry scored a perfect 100% on the citations element of the rankings confirming the globally leading work that is being carried out, published and having a real impact on improving global health. The Institute was ranked **1st in the world** in 2020 and 3rd in 2021 QS World Rankings for the Citation metric for Dentistry.

PERSONAL RESEARCH ACTIVITY

My personal expertise lies in the fields of:

- Oral and maxillofacial surgery including oral implantology
- Pain neuroscience
- Systematic review preparation
- Clinical trials

I have influenced clinical practice in the following ways:

- Clinical pain studies developed from systematic reviews have investigated intraoperative local analgesia and postoperative systemic analgesic strategies. These studies are crucial in providing the evidence for changing clinical practice and improving the pain management for patients after surgery and after dental treatment.
- I have written a comprehensive series of Oral Implant Cochrane Systematic Reviews that provide a reliable summary of the global scientific evidence for best practice and the foundation for future implant research.
- I was PI for two international multi-centre studies that demonstrated equivalent healing with a novel octylcyanoacrylate tissue adhesive compared to traditional alternatives such as sutures for the skin closure of long surgical incisions. This has significant implications in changing the 400-year-old clinical practice of wound closure with sutures. With adhesives there is no risk of needlestick injury and there are no sutures to remove for the patient.
- Working with Dental Public Health I initiated regional Oral Surgery (OS) Referral Triage. An Online Referral Management and Triage System for all dental specialist referrals has been established and is being evaluated for use across England (£670K NIHR award).
- I developed the Indicator of Sedation Need (IOSN) tool to support clinicians in their decision making and also commissioners who need to identify patients who need conscious sedation for dental treatment in order to plan and deliver appropriate sedation services. This is incorporated in many Referral Management Systems across England and Wales.
- I have established a key position in the strategy for UK oral and maxillofacial surgeons and dentists in responding to domestic violence. Following a systematic review, and local research projects I am currently undertaking an NIHR funded trial to explore domestic violence and the response of dentistry (£250K NIHR award).
- I have established the, 'Barts Centre for Squamous Cancer', to increase research capacity into common pathways of genomic, transcriptomic and clinical significance across squamous cancers from different tissues through a novel strategic collaborative approach (£2.6m Barts Charity).

SCIENTIFIC PUBLICATIONS

Publications, Papers (*peer reviewed)

- 1* Coulthard P, Rood JP. An investigation of the effect of midazolam on the pain experience. *British Journal of Oral and Maxillofacial Surgery* 1992;**30**:248-251.
- 2* Coulthard P, Rood JP. Midazolam and somatosensory evoked potentials. *British Journal of Oral and Maxillofacial Surgery* 1993;**31**:28-31.
- 3* Thomson PJ, Coulthard P. Recovery from intravenous sedation with midazolam – the value of flumazenil. *British Journal of Oral and Maxillofacial Surgery* 1993;**31**:101-103.
- 4* Coulthard P, Rood JP. Anxiety measures during induced experimental pain. *Anaesthesia and Pain Control in Dentistry* 1993;**2**(3):150-153.
- 5 Coulthard P, Rood JP. Midazolam – effects on pain assessed using somatosensory evoked potentials in man. *Shigako (Odontology)* 1993;**80**(6):1578-1581.
- 6* Coulthard P, Rood JP. Objective measurement of the analgesic effect of midazolam in humans. *Anaesthesia Progress* 1993;**40**:35-37.
- 7* Coulthard P, Snowdon AT, Rood JP. The efficacy of postoperative pain management with ketorolac for day case surgery. *Ambulatory Surgery* 1995;**4**:199-203.
- 8* Coulthard P, Snowdon AT, Rood JP. The efficacy and safety of postoperative pain management with tramadol for day case surgery. *Ambulatory Surgery* 1996;**4**:25-29.
- 9 Coulthard P, Craig DC. Conscious Sedation in dentistry. *Dental Update* 1997;**24**(9):376-381.
- 10* Nadin G, Coulthard P. Memory and Midazolam. *British Dental Journal* 1998;**183**(11/12):399-407.
- 11* Coulthard P, Morris S, Hamilton AJ. Unexplained physical symptoms in dental patients. *British Dental Journal* 1998;**184**(8):378-382.
- 12* Middlehurst RJ, Coulthard P. The effect of midazolam sedation on indicators for myocardial ischaemia. *Oral Surgery, Oral Medicine and Oral Pathology* 1999;**88**(4):400-405.
- 13* Coulthard P, Kazakou J, Koron R, Worthington HV. Referral patterns and the referral system for oral surgery care. Part 1: general dental practitioner referral patterns. *British Dental Journal* 2000;**188**(3):142-145.
- 14* Coulthard P, Kazakou J, Koron R, Worthington HV. Referral patterns and the referral system for oral surgery care. Part 2: the referral system and telemedicine. *British Dental Journal*. 2000;**188**(7):388-391.
- 15* Coulthard P, Pleuvry BJ, Dobson M, Price M. Behavioural measurement of postoperative pain after oral surgery. *British Journal of Oral and Maxillofacial Surgery* 2000;**38**:127-131.
- 16* Coulthard P, Bridgman C, Larkin A, Worthington HV. Appropriateness of a Resuscitation Council (UK) Advanced Life Support course for primary care dentists. *British Dental Journal* 2000;**188**(9):507-512.

- 17* Coulthard P, Sano K, Thomson PJ, MacFarlane T. The effects of midazolam and flumazenil on psychomotor function and alertness in human volunteers. *British Dental Journal* 2000;**188**(6):325-328.
- 18* Coulthard P, Koron R, Kazakou J, MacFarlane T. Patterns and appropriateness of referral from general dental practice to specialist oral and maxillofacial surgery services. *British Journal of Oral and Maxillofacial Surgery* 2000;**38**:320-325.
- 19* Seymour RA, Moore U, Hawkesford J, Coulthard P, Jackson-Leech D, Thomas D, Hill M, Renton T, McGurk M. An investigation into the efficacy of intravenous diclofenac in postoperative dental pain. *European Journal of Clinical Pharmacology* 2000; **56**:447-452.
- 20* Coulthard P, Haywood D, Tai MA, Jackson-Leech D, Pleuvry BJ, MacFarlane TV. Treatment of postoperative pain in oral and maxillofacial surgery. *British Journal of Oral and Maxillofacial Surgery* 2000;**38**:588-592.
- 21 Boyle CA, Horner K, Coulthard P, Fleming GJP. Multiple Stafne bone cavities: a diagnostic dilemma. *Dental Update* 2000;**27**:494-497.
- 22* Esposito M, Worthington HV, Coulthard P. In search of truth: the role of systematic reviews and meta-analysis for assessing the effectiveness of rehabilitation with oral implants. *Clinical Implant Dentistry and Related Research* 2001;**3**(2) :62-78.
- 23* Coulthard P, Hill M, Frame JW, Barry H, Ridge D and Bacon TH. Pain control with paracetamol from a sustained release formulation and a standard release formulation after third molar surgery: a randomised control trial. *British Dental Journal* 2001;**191** (6):319-324.
- 24* Esposito M, Coulthard P, Worthington HV, Jokstad A. Quality assessment of randomised controlled trials of oral implants. *International Journal of Oral and Maxillofacial Implants* 2001;**16**:783-792.
- 25 Coulthard P. Methodology of clinical trials. *Anaesthesia and intensive care medicine* 2002; **3**(3):112-113.
- 26* Coulthard P, Esposito M, Worthington HV, Jokstad A. Interventions for replacing missing teeth: hyperbaric oxygen therapy for irradiated patients who require dental implants. *Cochrane Database of Systematic Reviews* 2002;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 27* Esposito M, Worthington HV, Coulthard, A Jokstad, P Thomsen. Interventions for replacing missing teeth: maintaining and re-establishing health around dental implants. *Cochrane Database of Systematic Reviews* 2002;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 28* Jokstad A, Carr M, Esposito M, Coulthard P, Worthington HV. Interventions for replacing missing teeth: totally absent dentition. *Cochrane Database of Systematic Reviews* 2002;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 29* Jokstad A, Carr M, Esposito M, Coulthard P, Worthington HV. Interventions for replacing missing teeth: partially absent dentition (Protocol). *Cochrane Database of Systematic Reviews* 2002;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 30* Coulthard P, Pleuvry BJ, Brewster M, Wilson KL and Macfarlane TV. Gait analysis as an objective measure in a chronic pain model. *Journal of Neuroscience Methods*

2002;**116**(2):197-213.

- 31* Jokstad A, Esposito M, Coulthard P, Worthington HV. The reporting of randomised controlled trials in prosthodontics. *International Journal of Prosthodontics* 2002;**15**(3):230-242.
- 32* Coulthard P, Esposito M, Worthington HV, Jokstad A. Interventions for replacing missing teeth: preprosthetic surgery versus dental implants. *Cochrane Database of Systematic Reviews* 2002;Issue 4. Chichester, UK: John Wiley & Sons, Ltd.
- 33* Esposito M, Coulthard P, Worthington HV, Jokstad A. Interventions for replacing missing teeth: different types of dental implants. *Cochrane Database of Systematic Reviews* 2002;Issue 4. Chichester, UK: John Wiley & Sons, Ltd.
- 34* Rood JP, Coulthard P, Snowdon AT, Glennery BA. Safety and efficacy of levobupivacaine for postoperative pain relief after the surgical removal of impacted third molars: a comparison with lignocaine and adrenaline. *British Journal of Oral and Maxillofacial Surgery* 2002;**40**(6):491-496.
- 35* Esposito M, Worthington HV, Coulthard P, Jokstad A. Interventions for replacing missing teeth: different times for loading dental implants. *Cochrane Database of Systematic Reviews* 2003;Issue 1. Chichester, UK: John Wiley & Sons, Ltd.
- 36* Coulthard P, Esposito M, Worthington HV, Jokstad A. Interventions for replacing missing teeth: surgical techniques for placing dental implants. *Cochrane Database of Systematic Reviews* 2003;Issue 1. Chichester, UK: John Wiley & Sons, Ltd.
- 37* Coulthard P, Esposito M, Worthington HV, Jokstad A. Therapeutic use of hyperbaric oxygen for irradiated dental patients: a systematic review. *Journal of Dental Education* 2003;**67**:64-68.
- 38* Glenny AM, Esposito M, Coulthard P, Worthington HV. The assessment of systematic reviews in dentistry. *European Journal of Oral Science* 2003;**111**(2):85-92.
- 39* Esposito M, Worthington HV, Coulthard P, Thomsen P. Evidence-based oral implantology: clinical practice and industrial/market perspectives. *Advances in Science and Technology* 2003;**41**:435-446.
- 40* Esposito M, Coulthard P, Worthington HV. Enamel matrix derivatives (Emdogain®) for periodontal tissue regeneration. *Cochrane Database of Systematic Reviews* 2003;Issue 2. Chichester, UK: John Wiley & Sons, Ltd.
- 41* Esposito M, Worthington HV, Thomsen P, Coulthard P. Interventions for replacing missing teeth: dental implants in zygomatic bone for the rehabilitation of the severely deficient edentulous maxilla. *Cochrane Database of Systematic Reviews* 2003;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 42* Coulthard P, Esposito M, Worthington HV, Jokstad A. Interventions for replacing missing teeth: bone augmentation techniques for dental implant treatment. *Cochrane Database of Systematic Reviews* 2003;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 43* Coulthard P, Esposito M, Worthington HV. Surgical techniques for removal of mandibular third molar teeth (Protocol). *Cochrane Database of Systematic Reviews* 2003;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.

- 44* Esposito M, Coulthard P, Oliver R, Thomsen P, Worthington HV. Antibiotics to prevent complications following dental implant treatment. *Cochrane Database of Systematic Reviews* 2003;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 45* Oliver R, Coulthard P, Carre C, Sloan P. Solitary adult myofibroma of the mandible simulating an odontogenic cyst. *Oral Oncology* 2003;**39**:626-9.
- 46* Coulthard P, Esposito M, Slater M, Worthington HV, Kay EJ. Preventative strategies for patients requiring osseointegrated oral implant treatment. *British Dental Journal* 2003;**195**:187-194.
- 47* Coulthard P, Simjee SU, Pleuvry BJ. Gait analysis as a correlate of pain induced by carrageenan intraplantar injection. *Journal of Neuroscience Methods* 2003;**128**:95-102.
- 48* Esposito M, Worthington HV, Coulthard P, Thomsen P. Maintaining and re-establishing health around osseointegrated oral implants. A Cochrane systematic review comparing the efficacy of various treatments. *Periodontology 2000* 2003;**33**:204-12.
- 49* Esposito M, Coulthard P, Jokstad A, Worthington HV. Interventions for replacing missing teeth: different types of dental implants. *Cochrane Database of Systematic Reviews* 2003;Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 50* Afzal Z, Esposito M, Weil K, Worthington HV, van Wijk A, Hooper L, Coulthard P. Ibuprofen for pain relief after surgical removal of lower wisdom teeth. (Protocol). *Cochrane Database of Systematic Reviews* 2003;Issue 4. Chichester, UK: John Wiley & Sons, Ltd.
- 51* Weil K, Afzal Z, Esposito M, Worthington HV, van Wijk A, Hooper L, Coulthard P. Paracetamol for pain relief after surgical removal of lower wisdom teeth. (Protocol). *Cochrane Database of Systematic Reviews* 2003;Issue 4. Chichester, UK: John Wiley & Sons, Ltd.
- 52* Afzal Z, Coulthard P, Esposito M, Hooper L, Weil K, , Worthington HV, van Wijk A,. Ibuprofen versus paracetamol (acetaminophen) for pain relief after surgical removal of lower wisdom teeth. (Protocol). *Cochrane Database of Systematic Reviews* 2004; Issue 1. Chichester, UK: John Wiley & Sons, Ltd.
- 53* Coulthard P, Esposito M, van Waes O, van der Elst M, Worthington HV. Tissue adhesives for closure of surgical incisions. *Cochrane Database of Systematic Reviews* 2004; Issue 2. Chichester, UK: John Wiley & Sons, Ltd.
- 54* Coulthard P, Yong Sin, Esposito M, Adamson L, Warburton A, Worthington HV. Domestic violence screening and intervention programmes for adults with dental or facial injury. *Cochrane Database of Systematic Reviews* 2004;Issue 2. Chichester, UK: John Wiley & Sons, Ltd.
- 55* Simjee SU, Pleuvry BJ, Coulthard P. Modulation of the gait deficit in arthritic rats by infusions of muscimol and bicuculline. *Pain* 2004;**109**:453-460
- 56* Esposito M, Coulthard P, Thomsen P, Worthington HV. Enamel matrix derivative (Emdogain®) for periodontal tissue regeneration in treatment of infrabony defects: A Cochrane Systematic Review. *Journal of Dental Education* 2004;**68**(8):834-844
- 57* Suba Z, Hrabak K, Huys L, Coulthard P, Maiorana C, Garagiola U, Szabo G. Histologic and histomorphometric study of bone regeneration induced by beta-tricalcium phosphate (multicenter study). *Orv Hetil.* 2004;**145**(27):1431-7.

- 58* Blondeel PN, Murphy J, Debrosse D, Nix JC 3rd, Puls LE, Theodore N, Coulthard P. Closure of long surgical incisions with a new formulation of 2-octylcyanoacrylate tissue adhesive versus commercially available methods. *American Journal of Surgery* 2004;**188**(3):307-13.
- 59* Esposito M, Worthington HV, Thomsen P, Coulthard P. Interventions for replacing missing teeth: different times for loading dental implants. *Cochrane Database of Systematic Reviews* 2004; Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 60* Esposito M, Worthington HV, Thomsen P, Coulthard P. Interventions for replacing missing teeth: maintaining health around dental implants. *Cochrane Database of Systematic Reviews* 2004; Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 61* Esposito M, Worthington HV, Coulthard P. Interventions for replacing missing teeth: treatment of peri-implantitis. *Cochrane Database of Systematic Reviews* 2004; Issue 4. Chichester, UK: John Wiley & Sons, Ltd.
- 62* Esposito M, Coulthard P, Thomsen P, Worthington HV. Interventions for replacing missing teeth: different types of dental implants (Update 2). *Cochrane Database of Systematic Reviews* 2005; Issue 1. Chichester, UK: John Wiley & Sons, Ltd.
- 63* Renton TF, Coulthard P, Esposito M. Interventions for iatrogenic lingual nerve injury. (Protocol). *Cochrane Database of Systematic Reviews* 2005; Issue 2. Chichester, UK: John Wiley & Sons, Ltd.
- 64* Renton TF, Esposito M, Coulthard P. Interventions for iatrogenic inferior alveolar nerve injury. (Protocol). *Cochrane Database of Systematic Reviews* 2005; Issue 2. Chichester, UK: John Wiley & Sons, Ltd.
- 65* Esposito M, Coulthard P, Thomsen P, Worthington HV. The role of implant surface modifications, shape and material on the success of osseointegrated dental implants. A Cochrane Systematic Review. *European Journal of Prosthodontic Restorative Dentistry* 2005;**13**(1):15-31.
- 66* Szabo G, Huys L, Coulthard P, Majorana C, Garagiola U, Barabas J, Nemeth Z, Hrabak K, Suba Z. A prospective multicenter randomized clinical trial of autogenous bone versus beta-tricalcium phosphate graft alone for bilateral sinus elevation: histologic and histomorphometric evaluation. *International Journal Oral and Maxillofacial Implants*. 2005;**20**(3):371-81.
- 67* Esposito M, Coulthard P, Thomsen P, Worthington H. The role of implant surface modifications, shape and material on the success of osseointegrated dental implants. *Dental Implant Summaries and Related Areas of Research* 2005;**13**(5):6-7.
- 68* Yong SL, Coulthard P, Esposito M, Marik P. Supplemental perioperative steroids for surgical patients with adrenal insufficiency (Protocol). *Cochrane Database of Systematic Reviews* 2005; Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 69* Oliver R, Clarkson J, Hooper L, Coulthard P, McClusky M, Conway D, Worthington HV. Interventions for the treatment of oral cancer (Protocol). *Cochrane Database of Systematic Reviews* 2005; Issue 3. Chichester, UK: John Wiley & Sons, Ltd.
- 70* Esposito M, Gabriella Grusovin MG, Coulthard P, Thomsen P, Worthington HV. A 5-Year Follow-Up Comparative Analysis of the Efficacy of Various Osseointegrated Dental

- Implant Systems. A Systematic Review of Randomized Controlled Clinical Trials. *Journal of Oral and Maxillofacial Implants* 2005;**20**(4):557-568.
- 71* Esposito M, Grusovin MG, Coulthard P, Worthington HV. Enamel matrix derivative (Emdogain) for periodontal tissue regeneration of intra-bony defects. Cochrane Systematic Review (Update 1). *Cochrane Database of Systematic Reviews* 2005; Issue 4. Chichester, UK: John Wiley & Sons, Ltd.
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- 73* Sakka S, Al-ani Z, Kasioumis T, Worthington H, Coulthard P. Inter-examiner and intra-examiner reliability of the measurement of marginal bone loss around oral implants. *Implant Dentistry* 2005;**14**(4):386-388.
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- augmentation procedures for dental implants: a Cochrane systematic review of randomised controlled clinical trials. *The International Journal Oral and Maxillofacial Implants* 2006;**21**(5):696-710.
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Illingworth S, Bridgman C, Rooney E, Godson, Kendall N, Boye U, Pretty I, Coulthard P, Brunton P, Cochrane B, Butcher J, Jones K, Borland A, Arthur Z.

Introductory Guide for Commissioning Dental Specialties. **NHS England.** September 2015.

Chair Kaur S.

Benton A, Coulthard P, Steele J, Clarke J, Hilton D, Bridgman C, Haley R, Macarthur D, Jones, Sharma^[SEP] S, Roberts D, Glover D, Barker N, Norfolk T, Harris A, Whitehouse J, Curry A, Lowther^[SEP] J, Gasser R, Townley C, Avery R, Parker C, Jackson A, Robinson K, Dhoot P, Fell S, Newell F, Sleight J, Wilson S.

Guide for Commissioning Oral Surgery and Oral Medicine. **NHS England.** September 2015.

Chair Coulthard P.

Baker T, Balmer C, Blacklock P, Bradshaw J, Bridgman C, Brotherton P, Catleugh M, Chiu G, Cole A, Cottam D, Cousin G, Davidson M, Drabu T, Escudier M, Falcon H, Fernandez E, Gasser R, Greenwood M, Haley R, Harris A, Hawthorne E, Hayward R, Heaton A, Hierons R, Hilton D, Illankovan I, Jones C, Kaur S, Matharu J, Oastler N, Piper K, Renton T, Seoudi N, Sharp I, Smith A, Squires B, Wang M, Yatak C.

Guide for Commissioning Dental Specialties – Supporting Specialties (Dental and Maxillofacial Radiology, Oral and Maxillofacial Pathology, Oral Microbiology).

NHS England. In Press.

Chair Coulthard P.

Hurley S, Rooney C, Landes D, Doble C, Haley R, Dickenson A, Reese C, Gray P, Shirlaw P, Squires B, Smith A, Luker J, Whaites E, Speight P, Heaton A, Harris A, Piper K, Paul K, Horner K, Craig D, Hilton D, Bergin I, Wang M.

Scottish Dental Clinical Effectiveness Programme (SDCEP). Conscious Sedation in Dentistry - Dental Clinical Guidance. Third Edition, 2017. Scottish Dental Clinical Effectiveness Programme (SDCEP), Dundee.

URL: <http://www.sdcep.org.uk/published-guidance/sedation/>

Bissell V, Allen M, Collier F, Corkey B, Coulthard P, George G, Heffernan A, Howlett P, Kerr D, Laidlaw K, Ledingham C, Morrow S, Smith R, Walker P, Clarkson J, Stirling D, West M.

Commissioning Dental Services - Conscious Sedation in a Primary Care Setting.

NHS England. 2017.

Chair Coulthard P.

Craig D, Taylor A, Haley R, Reece C, Squires B, Lee E, Adams L, Manger D, Murphy J.

BAOS & BAOMS – Guidance for the care of OMFS and Oral Surgery patients where COVID is prevalent. Patrick Magennis – BAOMS Chair, Paul Coulthard BAOS President (20 March 2020).

Guidance PPE for patients with emergency oral problems of unknown COVID-19 Status. Patrick Magennis – BAOMS Chair, Paul Coulthard BAOS President (24 March 2020)

Updated COVID Advice from BAOMS and BAOS for our surgical teams. P Magennis – Chair BAOMS, P Coulthard – President of BAOS (13 April 2020).

Re-using FFP3 Masks and risk mitigation as we move from emergency to urgent care. Patrick Magennis – BAOMS Chair, Paul Coulthard BAOS President (22 April 2020) .

BAOS and BAOMS Joint Advice on Identification and Referral of Domestic Violence & Abuse in patients presenting with trauma during the COVID-19 pandemic. P Coulthard – President of BAOS, P Magennis – Chair BAOMS (27 April 2020).

FFP3 Masks With Valves should be avoided to reduce risk to patients during close interactions when a clinician is unknowingly COVID Positive. Patrick Magennis – BAOMS Chair, Paul Coulthard BAOS President (15 May 2020).

Aerosol Generating Procedures in Dentistry, A Rapid Review, Scottish Dental Clinical Effectiveness Programme.

Bragg J. Coulthard P, et al. 2020 updated 2021

<https://www.sdcep.org.uk/wp-content/uploads/2021/01/SDCEP-Mitigation-of-AGPs-in-Dentistry-Rapid-Review-v1.1.pdf>

BAOS & BAOMS – PPE Guidance and the New SARS-CoV-2 variant. Paul Coulthard - BAOS President, Peter Brennan - BAOMS Chair (4 January 2021)

BAOS & BAOMS – PPE Guidance and the New SARS-CoV-2 variant. Paul Coulthard - BAOS President, Peter Brennan - BAOMS Chair (27 January 2021)

BAOS & BAOMS – Patient Waiting Lists, Overdose and Mental Health. Paul Coulthard - BAOS President, Peter Brennan - BAOMS Chair (17 March 2021)

Parameters of care for patients undergoing mandibular third molar surgery. Faculty of Dental Surgery, Royal College of Surgeons of England. April 2021.

Renton T, Coulthard P, Master S, Atack N, Weston P, Drage N, Dewan K, Odell E, Smith A.

Clinical Guide to Surgical Prioritisation of Patients on Oral Surgery Waiting Lists. BAOS and Federation of Surgical Specialty Associations. Coulthard P, Jones J.

Commissioning Standard for Oral Surgery. Paul Coulthard. NHS England 2023.

The role that dentists can play in identification and referral of domestic abuse: Advice from Professor Paul Coulthard. *Bulletin of Chief Dental Officer England* 12 February 2022

TRIAL STEERING COMMITTEES

Chair, Trial Steering Committee (TSC) 2019-2022

- NIHR HTA **S**elective **C**aries **R**emoval **i**n **P**ermanent **T**eeth **T**rial **P**rotocol (SCRiPT) Trial

Chair, Trial Steering Committee (TSC) 2020-2023

- NIHR HTA Management of Irreversible Pulpitis (PIP) Trial

GRANT HISTORY

- 1 £7,500. The Royal College of Surgeons of England (British Association of Oral and Maxillofacial Surgery). *Nociceptive windup mechanics and their controls.*
1995, Coulthard P
- 2 £2,000. Travel grant by Medical Research Collaboration Unit, Department of Health, Japanese Government. *Propofol sedation - amnesic and psychoactive effect.*
1996, Coulthard P, Takahashi S
- 3 £45,000. Chiroscience. *Efficacy and safety of levobupivacaine (0.75%), lignocaine (2% with adrenaline) and placebo as postoperative pain control for patients undergoing unilateral or bilateral Impacted third molar surgery.*
1997, Rood JP, Coulthard P
- 4 £5,800. The Royal Collage of Surgeons of England (British Association of Oral and Maxillofacial Surgery). *Postoperative pain hypersensitivity modulation.*
1997, Coulthard P
- 5 £66,100. MDS Harris. *A double blind, randomised, parallel group study comparing the safetey and efficacy of intravenous doses of DGR0003 (25mg, 50mg, and 75mg) with placebo in the treatment of pain secondary to third molar surgery.*
1998, Coulthard P
- 6 £161,000. SmithKline Beecham Consumer Healthcare. *A double-blind, two armed parallel group study to compare the efficacy and safety of paracetamol from a sustained-release formulation with a standard immediate-release formulation in the management of dental pain following third molar extraction.*
1999, Coulthard P
- 7 £5,000. British Council to host a *Pain Control Conference* in Manchester to encourage research collaboration with the Nippon Dental University, Japan.
1999, Coulthard P
- 8 £48,131. The Health Foundation (Mid-Career Break Award). *A systematic review of implants (osseointegrated) for tooth replacement.*
2000, Coulthard P
- 9 £4,800. Travel grant by Medical Research Collaboration Unit, Department of Health, Japanese Government and £6,400 travel grant by the British Council.
2000, Coulthard P, Takahashi S
- 10 £8,000. Royal College of Surgeons of England (British Association of Oral and Maxillofacial Surgery). *Domestic violence and facial injury.*
2001, Coulthard P
- 11 Study drug (Levobupivacaine) provided by Abbott to support *RCT investigating the efficacy of a local anaesthetic infusion (levobupivacaine 2.5mg/ml) for the management of pain following iliac bone harvesting for maxillofacial surgery under general anaesthesia.*
2001, Coulthard P
- 12 £3,000. Travel grant by Medical Research Collaboration Unit, Department of Health, Japanese Government and Maruishi Pharmaceuticals. *Levobupivacaine in Dentistry.*

- 2001, Coulthard P
- 13 £209,600. AstraZeneca. *The analgesic efficacy of AZD3582: A randomised, double blind, placebo-controlled multicentre comparison with rofecoxib 50mg in subjects undergoing impacted third molar surgery.*
2002, Coulthard P
- 14 £11,000. Ethicon a Johnson and Johnson company. *A prospective randomised controlled multicentred study evaluating the clinical performance of high viscosity Dermabond® (HVD) topical skin adhesive product in comparison to commercially available skin closure devices for various long surgical incisions.*
2002, Coulthard P
- 15 £21,712. Ethicon a Johnson and Johnson company. *A prospective randomised controlled multicentred study evaluating the clinical performance of high viscosity Dermabond® (HVD) topical skin adhesive with Vicryl Plus in comparison to commercially available skin closure devices for surgical incisions.*
2003, Coulthard P
- 16 \$200,00. National Institute of Dental and Craniofacial Research, National Institute of Health, USA. *Oral cancer treatment and complications: Cochrane reviews.*
2005, Worthington HV, Glennly A-M, Oliver R, Coulthard P (10%)
- 17 £8,842. Faculty Scholarship Fund (Faculty of Medical and Human Sciences) University of Manchester for Caroline Rowsell. *Implementation of a Domestic Violence Policy, Based on Routine Enquiry, in a Dental and Oral and Maxillofacial Surgery Setting.*
2005, Coulthard P and Craven R.
- 18 £8,842. Faculty Scholarship Fund (Faculty of Medical and Human Sciences) University of Manchester for Catherine Potter. *Hypnosis, Hypnotisability and Inhalation Sedation Relationships and Clinical Applications.*
2005, Coulthard P and Brown RJ.
- 19 £37,000. MRC Studentship. *Postoperative Pain Guideline Development and the Patient.*
2005, Coulthard P and Waterman H.
- 20 £16,000. Pfizer Ltd. *A randomised double-blind placebo controlled parallel group trial of the anxiolytic efficacy of pregabalin and alprazolam IR in subjects with anxiety prior to dental procedure.*
2005, Coulthard P
- 21 £7,750. The Royal College of Surgeons of England (British Association of Oral and Maxillofacial Surgery). *Recovery from surgery with conscious sedation.*
2005, Coulthard P, Mani R
- 22 £83,000. MDS for Baxter Healthcare Corporation. *A randomised double-blind placebo controlled parallel group comparison of the analgesic efficacy, safety, and local tolerability of intravenous paracetamol 1% solution Bioren (test), Perfalgan 1% (reference), and placebo in a post-surgical dental pain model.*
2006, Coulthard P
- 23 £323,000. GlaxoSmithKline Discovery Ltd. *A multi-centre, randomised, single blind, placebo controlled, parallel group study to examine the effect of single doses of SB-705498, a TRPV1 receptor antagonist, on pain following third molar tooth extraction.*
2006, Coulthard P

- 24 £42,000. BUPA Research Fellowship. Dental and Maxillofacial injury after domestic violence.
2006, Sen P supervised by Coulthard P
- 25 £40,000. Chiltern International for Addex Pharmaceuticals. A double blind, placebo controlled, randomised trial, parallel group study to investigate the safety, tolerability and anxiolytic effect of the mGluR5 negative allosteric modulator ADX10059 in patients with anxiety undergoing dental treatment.
2007, Coulthard P
- 26 £45,000. CMFT Pump Priming, Part-time Post-Doctoral Research Fellow to support Postoperative Pain Management Guidelines
2009, Tickle M, Coulthard P
- 27 £25,000. NHS Manchester. Short term Fellowship. Awarded to support the submission of two bids to the NIHR Health Technology Research programme: i) an evaluation of a complex intervention to improve post-operative pain experience, and ii) an evaluation of the impact of 3D X-ray imaging on the effectiveness of wisdom tooth removal
2010, Coulthard P, Horner K
- 28 £73,000. Menarini Ricerche. Double-blind, randomised, placebo and active controlled, parallel group study to evaluate the analgesic effect of a single oral administration of four different combination doses of DKP.TRIS with TRAM.HCL in comparison with the single agents, on moderate to severe pain following impacted third mandibular molar tooth extraction.
2011, Coulthard P
- 29 £60,418. NIHR Research for Patient Benefit competition. A pilot randomised trial to compare the costs and effects of conventional implants with Mini implants used to retain lower dentures.
2012, Tickle M (10%), Walsh T (5%), Harrison M (5%), Coulthard P (5%), Jawad S, Polak R, Barclay C.
- 30 £49,983. NIHR Greater Manchester Primary Care Patient Safety Translational Research Centre (Greater Manchester PSTRC) in partnership with Salford Royal NHS Foundation Trust. NIHR Research Capability Funding. Developing patient safety in primary dental care for Greater Manchester.
2013, Bailey E, Tickle M, Coulthard P, Pemberton M, Campbell S, Glenny AM, O'Brien K.
- 31 £670,000. NIHR SDO. An evaluation an e-referrals management and triage system for minor oral surgery referrals from primary care dentists.
2015, Pretty I (45%), Coulthard P (30%), Tickle M (15%), Birch S (10%).
- 32 £4,290, Wellcome Trust ISSF. Dentistry Responding to Domestic Violence and Abuse: A Public Engagement Activity with Dentists and Dental care professionals.
2016, Coulthard P, Femi-Ajao O.
- 33 £70,00. Menarini Ricerche. Analgesic efficacy of oral dexketoprofen trometamol /tramadol hydrochloride versus tramadol hydrochloride/paracetamol: a randomised, double-blind, placebo and active-controlled, parallel group study in moderate to severe acute pain after removal of impacted lower third molar. (**Dexketoprofen Analgesic eVolution wIth tramaDol - DAVID Study**) Study code: DEX-TRA-06
2016/17, Coulthard P.

- 34 £250,000. NIHR HS&DR. Domestic violence research to improve the care pathway of women with lived experience of domestic violence using dental service.
2018/20, Coulthard P (30%), Walsh T (10%), Ashton J (5%), Femi-Ajao O (20%), Armitage C (5%), Feder G (10%), Tickle M (5%), Robinson P (10%), Morris S (5%).
- 35 £2,643,069. Barts Charity. A Centre of Excellence for Squamous Cancer.
2021, Leigh I (30%), Coulthard P (50%), Kellsell D (5%), Harwood C (5%), Biddle A (5%), Wang AJ (5%).
- 36 £2,299,220. Barts Charity. Barts Digital Dentistry – Transforming Oral Healthcare.
2022, McQuillan J, Coulthard P, Shahdad S, Donos N, Gutteridge C.

Grant income total £7.5M

TEACHING INNOVATION INCOME

I introduced three-year integrated MSc and Specialist Clinical Training programmes in 2008 at the University of Manchester.

2008 to 2013 tuition fee income **£6,156,000.**

2014/15 tuition fee income **£1,883,000.**

2015/16 tuition fee income **£2,248,750.**

2016/17 tuition fee income **£1,945,000.**

2017/18 tuition fee income **£2,139,500.**

2018/19 tuition fee income **£2,244,00.**

POSTGRADUATE RESEARCH SUPERVISION (MSc/MPhil/PhD)

- 1 Hypoxic events during intravenous sedation.
N Antoniou, MSc, 1996.
- 2 Respiratory fitness and intravenous sedation.
M Mihalaki, MSc, 1996.
- 3 Decision making relating to the control of pain and anxiety during oral surgery.
M Al-Namani, MSc, 1997.
- 4 The need and demand for telemedicine in oral surgery practice.
J Kazakou, MSc, 1998.
- 5 The amnesic and psychoactive effects of two conscious sedation agents.
M A Atieh, MSc, 1998.
- 6 A randomised controlled trial comparing psychomotor function on recovery from general anaesthesia with remifentanyl and nitrous oxide following surgical removal of impacted third molar teeth.
J Seehra, MSc, 1999.
- 7 A study of patient satisfaction following dental implants treatment.
M Al-Hassan, MSc, 2000.
- 8 An investigation of morbidity following iliac crest bone harvesting for alveolar augmentation prior to osseointegrated implant placement.
M Omar, MSc, 2001.
- 9 An investigation of wound healing following iliac crest bone harvesting.
Omar Shadid, MSc, 2002.
- 10 An investigation of the inter-operator variability using Bispectral index for depth of conscious sedation.
Zia Shawkat, MSc, 2003.
- 11 A randomised controlled trial to investigate the effect of a non-steroidal anti-inflammatory drug (ibuprofen) on the osseointegration of oral implants.
Salah Sakka, PhD 2003.
- 12 A retrospective clinical study for reconstruction of the mandibular alveolar bone using distraction osteogenesis and iliac crest bone grafting.
Tamer Al-Aredy, MPhil, 2003.
- 13 Domestic violence in patients who present with facial injuries.
Sin Yong, MPhil, 2004.
- 14 Conscious sedation recovery measures using driving simulation and bispectral Index.
Raghu Mani, PhD, 2005.
- 15 Protective analgesia using bupivacaine and conventional release ibuprofen versus bupivacaine and sustained release ibuprofen for postoperative pain relief in patients undergoing third molar surgery: a randomised controlled trial.
Sin Yong, PhD 2009.

- 16 Postoperative pain in paediatric oral surgery patients.
Ioannis Ioannis, MSc, 2005.
- 17 Conscious sedation practice in the UK.
Kalyan R Pitani, MSc, 2005.
- 18 Bisespectral analysis for recovery from conscious sedation.
Raja Ali, MSc, 2006.
- 19 Ibuprofen for postoperative pain relief: A Cochrane Review.
Zahid Afzal, MPhil, 2007.
- 20 Paracetamol for postoperative pain relief: A Cochrane Review.
Kiaren Weil, MPhil, 2007.
- 21 Dental anxiety management – a randomised controlled trial.
Hafeez Sharief, MSc, 2006.
- 22 Bone augmentation postoperative morbidity.
Kousar Ali Khan Afridi, MSc, 2006.
- 23 Postoperative Pain Guideline Development and the Patient
Penelope Stanford, PhD, 2010.
Joint supervision by Coulthard P and Waterman H (Nursing).
- 24 Tissue adhesives for closure of Surgical Incisions.
James Darcey, MSc, 2008.
- 25 Pain management after dental implant surgery.
Rabab Tayeb, MPhil, 2009.
- 26 Different surgical techniques for wisdom tooth removal.
Niall Quigley, MSc, 2009.
- 27 Indicator of sedation need.
Mohammed Sharif, MSc, 2009.
- 28 Global guidelines for wisdom tooth removal.
Sami Almana, MSc, 2010.
- 29 Risk factors for caries in teeth adjacent to wisdom tooth.
Raga Abu-atwirat, MSc, 2010.
- 30 Referral patterns for secondary care oral surgery.
Nizar Kharma, MSc, 2011.
- 31 Appropriateness of oral surgery referrals.
Sie Wei Lee, MSc, 2012.
- 32 Guidelines for use of NICE guidelines about third molar surgery.
Alanoud Almarri, MSc, 2012.

- 33 Nerve injury surgical repair.
Evgeny Kushnerev, MSc, 2012.
- 34 Ibuprofen analgesic efficacy review.
Edmund Bailey, MPhil, 2013.
- 35 Bone substitutes and practitioners awareness of evidence
Sunny Kotecha, MSc, 2013.
- 36 Postoperative third molar morbidity
Antonios Zerdalis, MSc, 2013.
- 37 Evidence for surgical endodontic guidelines
Vladimir Kozovski, MSc, 2013.
- 38 Hypnosis, Hypnotisability and Inhalation Sedation Relationships and Clinical Applications.
Catherine Potter, PhD, 2014.
Joint supervision by Coulthard P and Brown RJ (Psychology).
- 39 Electronic medical record for identification of general medical practitioners patients with
oro-facial complaints.
Sze Seng Chan, MPhil, 2014.
- 40 Risk factors for retained wisdom teeth.
V Toedtling, MSc, 2015.
- 41 Describing oral surgery complexity.
P Cullingham, MSc, 2015.
- 42 The postgraduate training and population needs requirements for the development of a
new international conscious sedation service.
K Coutou, MSc, 2017.
- 43 The indicator of sedation need tool for specialty oral surgery
A R Yusof, MSc, 2017.
- 44 Investigating the Success, Efficacy and Patient Acceptance of Zygomatic Implants
versus Traditional Grafting Protocols when Managing the Atrophic Maxilla.
Richard Brookshaw, MPhil awarded 2020.
- 45 Metabolic analysis of E-cadherin function in Pluripotent Stem cells.
Aseel Sharaireh, PhD, awarded 2019.
- 46 Evidence-based practice implementation in education.
Neil Patel, PhD, to be awarded 2022.
- 47 Domestic Violence Identification by Health workers: A systematic review.
Lamya Alojaiman, MSc awarded 2021.
- 48 Investigating the Success, Efficacy and Patient Acceptance of Zygomatic Implants
versus Traditional Grafting Protocols when Managing the Atrophic Maxilla.
Richard Brookshaw, PhD awarded 2021.
- 49 Referral of DVA patients by Healthcare Professionals

Nouf Aied F Alshahri, DCLinDent Oral Surgery, to be awarded 2024

- 50 Effective DVA Training for Healthcare Professionals
Mohammed Shilash A Alshammari, DCLinDent Oral Surgery, to be awarded 2024
- 51 Creating a local medical-dental learning health system in East London to prevent infective endocarditis and improve oral health for patient with learning disability. Richard Fitzgerald PhD, co-supervised by Prof Amitava Banerjee, UCL Cardiology

TEACHING AND LEARNING

STATEMENT ON TEACHING AND LEARNING

- I am an advocate of education with a commitment to evidence-based care. My mission has been to produce clinical practitioners who are research thinking and public health thinking. I regularly lead theatre events for UG BDS and BSc students and small group teaching for MSc students on Oral and Maxillofacial Surgery. I have been engaged in clinical teaching of UGs and PGs on all my NHS clinical sessions.
- I have a high level of personal engagement with students through regular communication, attendance at sports, charity and social events including annual student ball and graduation ball.
- TEF is of huge strategically important with significant weighting by NSS and Dentistry and Medicine evaluation as single subject.
- Since my move from Manchester to appointment as Dean of the Institute of Dentistry, Queen Mary University of London, in January 2019 the NSS increased from 73% in 2018 (rank 16 of 17 Dental Schools) to 89% in 2019 (rank 8 of 15 Dental Schools). Unfortunately Manchester NNS dropped from 93% (rank 5 of 17 Dental Schools) to 65% (rank 14 of 15 Dental Schools).
- Internationalisation and distance learning increasingly important together with seeking opportunities for commercialisation.
- Senior Teaching Fellowships to be encouraged and celebrated.

EXAMINATION RESPONSIBILITIES

External Examiner

- Resuscitation Council (UK) Advanced Life Support Provider Courses, 1997/04.
- King's College London, Diploma in Conscious Sedation for Dentistry, 2001/06.
- Liverpool University, Certificate in Conscious Sedation, 2001/05.
- University College London, MSc Oral and Maxillofacial Surgery, 2002/09.
- Leeds University, MSc Oral and Maxillofacial Surgery, 2004/07.
- Barts and The London School of Medicine and Dentistry, Final BDS, 2004/07.
- University of Cardiff, MScD Conscious Sedation, 2009/11.
- University of Dundee, MSc Oral Surgery, 2008/10.
- Lahore University of Health Sciences, Pakistan, MDS, 2009/10.
- Cardiff University School of Postgraduate Medical & Dental Education, PGDip Dental Studies, 2010/13.

- Barts and The London School of Medicine and Dentistry, MSc Dental Implantology, 2010/11.
- Cardiff University, MSc in Conscious Sedation, 2012/14.
- Sheffield University MSc in Implant Dentistry, 2012/13.
- Glasgow University, MSc in OMFS, 2014/17.
- PhDs examined at Newcastle, Dundee, Cardiff, UCL, Sheffield and Glamorgan.
- Intercollegiate Specialty Fellowship Examiner in Oral Surgery, Nominated member of Specialty Examination Board by the Royal College of Surgeons of England, 2013/18.
- Kuwait University, BDS, 2017/18.
- University College London, MSc Oral and Maxillofacial Surgery, 2019/21.

PUBLICATIONS RELATING TO LEARNING AND TEACHING

Publications, Papers

Coulthard P, Bridgman C, Larkin A, Worthington HV. (2000) Appropriateness of a Resuscitation Council (UK) Advanced Life Support course for primary care dentists. *British Dental Journal* 188(9):507-512.

Coulthard P. Methodology of clinical trials. *Anaesthesia and intensive care medicine* 2002; 3(3):112-113.

Warburton AL, Hanif B, Rowsell C, Coulthard P. Changes in the levels of knowledge and attitudes of dental hospital staff about domestic violence following attendance at an awareness raising seminar. *British Dental Journal* 2006;201(10):653-659.

Patel N, Bailey E, Mahdmina A, Lomax A, Coulthard P. Domestic violence education for UK & Ireland undergraduate dental students: a five-year perspective. *Journal of Dental Education* 2014;78(8):1162-1166.

Coulthard P, Tappuni A, Ranauta A. Oral Health and HIV: What Dental Students Need to Know. *Oral Diseases*. 2020;

Ranauta, Tappuni A, Coulthard P. HIV Teaching: A dental curriculum which fosters knowledge and attitude. *Oral Diseases* 2020;

Publications, Teaching Manual

Conscious sedation for dentistry.

P Coulthard. Published by *Department of Dental Medicine and Surgery, The University of Manchester*, 1997. ISBN 0-9526764-1-9

Publications, Books

Coulthard P, Horner K, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. *Churchill Livingstone, Edinburgh, 2003*. ISBN 0443061920

Coulthard P, Horner K, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. Second Edition. *Churchill Livingstone, Edinburgh, 2008*. ISBN 978-0-443-06896-6

Coulthard P, Horner K, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. Chinese Edition. *Elsevier (Singapore) Pte Ltd, 2009*. ISBN 978-0-443-06896-6

Coulthard P, Horner K, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. Polish Edition. *Elsevier Urban & Partner, Wroclaw, 2011*. ISBN 978-83-7609-291-1

Textbook and eBook

Coulthard P, Horner K, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. Second Edition. *Churchill Livingstone, Edinburgh, 2008*. ISBN 978-0-7020-4124-2

Coulthard P, Horner K, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. *Churchill Livingstone, Edinburgh, Third Edition 2013*. ISBN 978-0-7020-4600-1

Coulthard P, Sengupta A, Sloan P and Theaker E. Master Dentistry, Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. *Churchill Livingstone, Edinburgh, Fourth Edition 2022*. ISBN 978-0-702081415

Publications, Chapters in books

Esposito M, Worthington HV, Coulthard P, Wennerberg A, Thomsen P. Role of implant surface properties on the clinical outcome of osseointegrated oral implant therapy: an evidence-based approach. In: Ellingsen JE, Lyngstadaas SP, editors. *Bio-Implant Interface, Improving Biomaterials and Tissue Reactions*. Washington D.C.: CRC Press, 2003.

Esposito M, Worthington HV, Coulthard P, Thomsen P. Maintaining and re-establishing health around osseointegrated oral implants. A Cochrane systematic review comparing the efficacy of various treatments. In: van Steenberghe D, editor. *Periodontology 2000, Oral Implants in Compromised Patients*. Oxford: Blackwell Munksgaard, 2003.

Coulthard P, Esposito M, Slater M, Worthington HV, Kay EJ. Preventative strategies for patients requiring osseointegrated oral implant treatment. *BDJ Books*. 2004.

Esposito M, Grusovin G, Coulthard P, Worthington HV. What Have We Learned From Randomized Controlled Clinical Trials On Oral Implants? In: Jokstad A, editor. *Osseointegration and Dental Implants*. Ames, Iowa: Blackwell Publishing Professional, 2008 ISBN13 number: 9780813813417.

Esposito M and Coulthard P. Impacted wisdom teeth. In: *Clinical Evidence Handbook*. BMJ Publishing Group Ltd, 2008 ISBN 978-1-905545-33-9.

M. Esposito, M.G. Grusovin, P. Felice, G. Karatzopoulos, H.V. Worthington, P. Coulthard: The efficacy of horizontal and vertical bone augmentation procedures for dental implants – A Cochrane systematic review. In “Evidence-based practice toward optimizing clinical outcomes”, F. Chiappelli ed. Springer-Verlag, 2010, pp 195-218.

CLINICAL

STATEMENT ON CLINICAL SERVICE

- As a clinical academic I believe that I have a unique opportunity to improve the quality of patient care because of my own research involvement and ready access to the research of others that can be applied to the management of patients in a controlled and audited way. Development and implementation of the wider issues of clinical governance to ensure the provision of safe standards of patient care are part of my own mission as a clinical academic. These require leadership and appropriate supervision that I strive to provide for the clinicians for whom I have responsibility.
- I have provided complex oral surgery care to patients with secondary/tertiary referral from the North West Region. My personal caseload was patients with congenitally absent teeth/associated tissues or who following cancer surgery or trauma require reconstruction with bone graft surgery (especially hip graft) and advanced oral implant surgery. I have provided 5 NHS PAs/week that include clinics, operating sessions (day-case and major in-patient) and a teaching ward round. I had 24-hour responsibility for the patients on my clinical trials. In addition, tertiary referral oral implant clinics held jointly with restorative dentistry and orthodontic consultant colleagues are held monthly. I reduced this commitment to 3 NHS PAs/week on appointment as Vice Dean and Head of the School of Medical Sciences at Manchester University.
- I maintain an Honorary Consultant in Oral Surgery contract at Barts Health NHS Trust. I also undertake a limited clinical private practice at 94 Harley Street, London. I have undertaken medicolegal practice since 2002 providing the majority of my reports for the prosecution.

CLINICAL TRAINING

- Higher surgical training from 1993 to 2000 with consultant training by Mr R J Middlehurst, Prof J P Rood, Mr A A Quayle, Dr I Hindle and Mr B T Musgrove and Mr R Lloyd. Surgical training included dentoalveolar, pre-prosthetic including implant surgery, orthognathic, salivary gland, temporomandibular joint, facial trauma surgery, and in-patient care of oncology patients.
- My surgical logbook was comprehensive at the end of training, consisted of the management of over 2000 category III procedures (minor oral surgery), over 300 category II procedures (major oral surgery), 25 category I procedures (advanced) and 389 facial fractures.
- Second on-call on 1 in 3 rota since 1993, 1 in 4 rota since 1995, 1 in 5 rota since 1996 and 1 in 6 since 1998 until 2001. This was a busy on-call providing trauma cover for Manchester Royal Infirmary, Tameside General Hospital, Salford Royal Infirmary, Manchester Royal Children's Hospital, Trafford General, Wigan Infirmary, Withington Hospital, Macclesfield and Stepping Hill Hospital. Patients were transferred to the Manchester Royal Infirmary and Withington Hospital or attended peripherally if unfit for transfer. Facial fractures requiring surgical management at central Manchester amounted to 430 cases per year. Other on-call responsibilities included management of in-patients, including oncology patients at Manchester Royal Infirmary and Withington Hospital. After becoming head of academic oral and maxillofacial surgery I ceased to participate in the on-call rota although continued to be available for the out of hours clinical management of my own in-patients, administrative

problem solving and patient on my clinical trials.

PREVIOUS CLINICAL POST

- Honorary Consultant at Manchester University Hospitals NHS Foundation Trust (MFT) from 01.06.2001 to 31.12.2018. Clinical duties are based at Manchester Royal Infirmary, The University Dental Hospital and the Royal Manchester Children's Hospital.
- The speciality of Oral Surgery deals with pathological conditions of the head and neck requiring surgical intervention including: conditions of the mouth and jaws, those leading to tissue loss requiring reconstructive techniques including oral implants, salivary gland, temporomandibular joint, facial and dental trauma and facial deformity. I receive Consultant referrals in all aspects of Oral Surgery from Primary, Secondary and Tertiary Sources.
- I had a weekly clinical programme including an in-patient major operating list, two morning ward rounds, a day-case operating list, a treatment clinic and a consultation clinic. In addition, an oral implant clinic held jointly with restorative dentistry held monthly and a 'hypodontia clinic' with restorative dentistry and orthodontic consultants.
- I have sub-specialist skills
 - Advanced surgical oral implantology.
 - Oral and Maxillofacial reconstruction especially bone grafting techniques.
 - Conscious sedation techniques.
 - Management of medically compromised patients.
- 2010-13. **Clinical Lead** for Oral Surgery Services at Central Manchester University Hospitals NHS Foundation Trust. Responsible for ensuring high quality, efficient standards of care provided by dentists and doctors and other clinical staff in the specialty. Providing clinical leadership, ensuring the use of best relevant evidence based clinical practice in the care of patients; assuring the skills and competence of clinical staff; dealing with local issues and complaints about clinical standards and untoward incidents. Member of Divisional Management Team and Clinical Governance Committee.
- I led the Triage of clinical referrals from Manchester PCT to MFT and developed a tool for assessment of referrals nationally. I have created a tool (the IOSN) for assessing a patient's need for conscious sedation already in use by some commissioners as well as clinicians (5 publications).

Previous Job Plan

- As an Honorary Consultant Oral Surgeon I undertook 5 Trust NHS PAs, comprising 3.75 Direct Clinical Care, 1.25 SPAs. My weekly clinical programme included an in-patient major operating list (alternate weeks), two morning teaching ward rounds, a day-case operating list (alternate weeks), a treatment clinic and a consultation clinic.
- In addition I held a tertiary referral oral implant clinic jointly with restorative dentistry and orthodontic consultant colleagues twice monthly. Clinical duties were based principally at the University Dental Hospital and Manchester Royal Infirmary.
- I undertook 3.0 University funded PAs and 1.0 APA for Head of School of Dentistry role. I also undertook 2.0 University PAs comprising Research, Teaching, Postgraduate Programme Directorship duties and associated administration and management.

- As of 01.06.2018 I reduced my NHS PAs to 3 and increased by University PAs as Vice Dean and Head of the School of Medical Sciences at Manchester.

LEADERSHIP AND MANAGEMENT ROLES

STATEMENT ON ADMINISTRATION

The joint responsibilities of research, teaching and clinical service provide the diversity that make clinical academia so appealing to myself and those in my team. However, maintaining an appropriate balance of these three requires significant organisation in terms of personal time management, departmental timetabling and staff management. Efficient administration is an essential part of this management if any of the objectives of these parts are to be realised. Effective communication is key to maintaining awareness of policies, ensuring consultation and effecting change. I have written a regular 'Deans Newsletter' for staff and honorary staff and a student version for undergraduates and postgraduates. I contribute to Facebook, Instagram and Twitter accounts.

STATEMENT ON LEADERSHIP - DEAN FOR DENTISTRY

As **Dean for Dentistry** I have had both a strategic leadership and a management role. I provide academic leadership in this university strategically critical role to ensure that the School makes a full contribution towards the objectives of the School of Dentistry within Barts and The London School of Medicine and Dentistry (SMD), and Queen Mary University of London. I am member of the SMD Senior Leadership Team. I lead by example as a credible researcher, passionate teacher and caring clinician. I have responsible for developing research excellence and the Institute of Dentistry's global research contributing to improvement in NHS and global Oral and Craniofacial Health. I am fully committed to producing dentists, hygienists and therapists that are fit for evolving practice as Clinical Practitioners, Researchers and Public Health thinking. I continue to be actively engaged in teaching and learning at all levels.

FINANCIAL MANAGEMENT

- DoH 10% cut in UGs in 2014 so increased Kuwaiti students on existing contract to avoid cap. Continuing to maintain good relationship with Kuwait and also Saudi Arabia. Introduced new PGT programmes so now one of largest UK providers of dentistry PGT.
- Opened BSc to international market.
- Negotiated licensing of undergraduate BDS curriculum to Mansoura University, Egypt with student entry 2017.
- Average income and net contribution per PGT student is highest in Faculty.
- RGC income per academic staff FTE significantly higher than comparator average.
- Financial contribution to Faculty of MHS has been one of the highest.
- As Vice-Dean of the Faculty of Biology, Medicine and Head of the School of Medical Sciences had responsibility for budget in excess of £100M.
- Senior leadership team responsible for Faculty of MHS size and shape strategy.
- At Queen Mary University of London ensured PGT targets met and exceeded and QMUL/Barts NHS Trust financial relationship investigated and understood.

HEALTH AND SAFETY

- Dentistry report of scrutiny group for annual health & safety monitoring reports submitted by the Faculty 2015: 'There was evidence that the appointed academic health and safety lead takes his responsibilities seriously and takes a full role in safety inspections. It is commendable that the School has appointed another Safety advisor to assist ... for areas in

the Dental hospital for areas under School control....It was commended that a continuing watching brief is occurring after an awareness campaign about sharps injuries held earlier in the year.'

- 'Health and Safety Management Profile' (HASMAPP) audit of Dental Division 2016/17.
- During the Covid-19 pandemic I have developed a national and international reputation for providing leadership around clinical practice PPE and more. I contributed to the national guidance used internationally on AGP mitigation in dentistry (Scottish Dental Clinical Effectiveness Programme).

STATEMENT ON PREVIOUS LEADERSHIP

- As Interim **Vice-Dean of the Faculty of Biology, Medicine and Health** and **Head of the School of Medical Sciences** I had responsibility for the research schools of Cancer Sciences, Cardiovascular Sciences, Developmental Biology & Medicine, Diabetes, Endocrinology & Gastroenterology, and the Manchester Medical School and the School of Dentistry.
- I enjoyed creating a strong sense of unity and common purpose in promoting excellence in research and teaching and learning. I am a strategic thinking and influencer. I had management responsibility the Heads of six Divisions of the School of Medical Sciences with over 400 FTE academic staff and the largest Medical School in the UK.
- My priorities were retention, nurturing and development of high calibre staff, effective line management and engagement, meeting student recruitment and income targets whilst maintaining student quality.
- I raised ambition essential to success whilst providing support with grant writing retreats.

INTERNATIONAL LEADERSHIP

- **Cochrane Collaboration Oral Health Group**
Editor, 2002 to present, personally involved in strategy and management. Manchester Dental School hosts the Oral Health Group This International group maintains and promotes the accessibility of systematic reviews of the effects of dental, oral and craniofacial health care interventions.
- **'Oral Surgery'**
Editor-in-Chief Jan 2013-2018. Continuing as Consulting Editor.
- **'International Journal of Surgery'**
Member Editorial Board, 2002-present.
- **'International Journal of Surgery Case Reports'**
Member Editorial Board, 2007-present.
- **'Chinese Journal for Clinicians (International)'**
Senior Editor, Dec 2010-Dec 2014. Journal of Chinese Medical Association.
- **International Association for Dental Research (IADR)**
Dental Anesthesiology Research Group President Elect March 2007, President July 2008-09, Immediate Past President 2009-10. Group Programme Chair at Annual General Session. Keynote Lecture, 'Evidence-based pain management' 87th General Session, Miami, 2009. Chair Anesthesiology Group Business meeting and Reception host.

Institutional Section Councillor 2014-18. Representing Dental School Deans worldwide. Supporting Advocacy for Oral Health Research funding with regard for international discrepancy.

Introduced the annual IADR 'Manchester Evidence-Based Practice' Award 2016.

Introduced annual 'Manchester Dental School Reception' at the IADR meeting 2014.

Introduced annual 'Manchester Dental School' booth at the IADR meeting 2012.

Introduced annual 'Queen Mary University of London' booth at the IADR meeting 2019.

- **Licensing Board, Centre for Healthcare Planning & Quality, Dubai Health Care City**

Member, 05.2012-04.2014.

Responsible for review of applications and consider renewals for Licences to function within DHCC from healthcare professionals and healthcare operators, to review complaint investigations, suspend, revoke or refuse licences, maintain register of licenced healthcare professionals, and promote education and training in conjunction with the Academic Council.

- **International Union of Schools of Oral Health**

UK School member of thus Nippon Dental University union since 1996 to present. This co-operation aims to advance collaborative research and also exchange of information relating to teaching and clinical practice. I have arranged several staff exchange visits to Japan.

- **Developed a number of MoU between Manchester Dental School and:**

Henry M. Goldman School of Dental Medicine, Boston

Research collaboration and student exchange. 2016.

Faculty of Dental Surgery, The University of Hong Kong

Research collaboration and student exchange. 2017.

Faculty of Dentistry, University of Sao Paulo

Research collaboration and student exchange, 2018.

Seoul National University School of Dentistry

Research collaboration and student exchange, 2018.

University of Barcelona (Kingdom of Spain) Faculty of Medicine and Health Sciences

Research collaboration and student exchange, 2018.

- **Developed a number of MoU between QMUL Dental School and:**

West China School of Stomatology, Sichuan University, China

Manipal College of Dental Sciences, India

Harvard School of Dental Medicine, USA

- Dental School annual presence at the **International Dental Conference and Exhibition (AEEDC)**, Dubai, UAE, School of Dentistry Booth

- **Faculty of Dentistry, Mansoura University, Egypt.**

Contract 2016 for Mansoura to use our BDS program under license from September 2017 for five years in first instance.

- International Conference of the Jordanian Society of OMFS, Towards professionalism in bone augmentation. Amman, Jordan, 2016

- Kuwait International Dental Conference, Dentistry responding to Domestic Violence, 2018

- Spanish Oral Surgery Society (SECIB), Pain control in oral surgery and implantology, 2018

- South Korea Oral and Maxillofacial Surgery, Seoul, Dentistry responding to Domestic Violence, 2018

- Wuhan, Internationalisation of Dental Schools, 2018

- UAE International Dental Conference (AEEDC), Pain management in oral surgery and dental practice, 2019

- 8th World Workshop on Oral Health in HIV/AIDS, 2019

- IRIS (Identification and Referral to Improve Safety) National Conference, Is DVA identification the practice of Dentistry, 2020
- European Academy of Paediatric Dentistry, Impact of COVID-19 on the practice of Dentistry, 2020
- Royal College of Surgeons of Ireland, 2020
- Royal Society of Medicine, How to make PPE decisions, 2020
- British Society of Dental and Maxillofacial Surgery, CBCT and Oral Surgery, 2021
- Waterfalls initiative of continuous education from UAE to the world. Urgent care for patients during the Covid pandemic, 2021

NATIONAL LEADERSHIP

- **Scottish Dental Clinical Effectiveness Programme (SDCEP)**
Arranged 20% contract for Director as Professor at the University of Manchester, 2015, for significant increase in reach and impact of our health service research for guidelines. Strong links with SDCEP and Cochrane provides huge potential for clinical guideline development nationally and globally. Member of several guideline development groups as Dean at Barts and The London.
- **Connected our research to health policy in England.**
Appointed Chief Dental Officer for England as Professor in Dentistry at the University of Manchester 2016, to work with researchers in Health Technology and Evidence Synthesis & bringing her expertise in strategy and health policy.
Residential 'Oral Health & Dental Care Policy Research Think Tank' 2016, presenting Manchester Health Technology and Evidence Synthesis research to inform policy development to Chief Dental Officer England, and attended the Chief Dental Officer's for Wales, Scotland, Northern Ireland and England and their teams.
- **British Association of Oral Surgeons**
President, 2019-21, and Immediate Past President 2021-23. Council Member, 2011-2017. Active Committee Member. Hosted BAOS Conference 2015 in Manchester.
- **Greater Manchester Devolution.**
2016. Appointed Chair of newly established **Dental System Leadership Group** with representatives from the Local Authority, Primary Care Medicine, Managed Clinical Networks, Commissioning, Health Education England NW, Dental Advisory Group, Dental Public Health and Local Dental Committee. Huge amount of activity in Greater Manchester focusing on improving the oral and dental health of our population and integrating strategy with medicine, pharmacy, and social care.
- Working with Dental Public Health I initiated regional Oral Surgery (OS) **Referral Triage**. An Online Referral Management and Triage System for all dental specialist referrals has been established and is being evaluated for use across England with a £670K NIHR award. I have developed an **Indicator of Sedation Need** tool and undertaken a needs assessment in England.
- **NHS Commissioning Board Dental Commissioning Framework Task Group.**
Member, 2012-13 and Chair Coproduction Group for Oral Surgery in England.
Responsible for developing an overarching dental commissioning framework document as part of the NHSCB Commissioning Development Programme to support preparedness for the transfer of responsibilities for the commissioning of all dental services from PCTs from

01.04.2013. Published '**Securing Excellence in Commissioning NHS Dental Services**' *NHS England* 2013 that proposed a new single operating model for dental commissioning with a 'care pathway' approach for all dental services in England.

- **NHS England Commissioning Guide Working Group. Oral Surgery and Related Specialties. Oral and Maxillofacial Surgery. Oral Medicine.**
Chair, 2014-15.
Published '**Guide for Commissioning Specialist Dentistry Services**' *NHS England* 2015. This overarching guide sets out population needs, advocacy, workforce and training, commissioning intentions and procurement, and minimum standard specification.
Published '**Guide for Commissioning Oral Surgery and Oral Medicine**' *NHS England* 2015. Describes direction & best practice, concept of clinical engagement through Managed Clinical Networks, Dental Local Professional Networks and the patient journey. Intended to ensure improved access, reduce inefficiencies & inequalities and better quality care and patient outcomes.
- **NHS England Commissioning Guide Working Group. Oral & Maxillofacial Pathology, Radiology and Microbiology.**
Chair, 2015-16.
Publishing '**Guide for Commissioning Dental Specialties – Supporting Specialties and Conscious Sedation**' *NHS England* In press.
- **Scottish Dental Clinical Effectiveness Programme (SDCEP). Conscious Sedation in Dentistry - Dental Clinical Guidance.** Third Edition, 2017.
Member 2016-17.
- **NHS England Commissioning Guide Working Group. Dental Conscious Sedation.**
Chair, 2016-17.
Publishing '**Commissioning Dental Services - Conscious Sedation in a Primary Care Setting.**' *NHS England* 2017.
- **Faculty of Dental Surgery, Royal College of Surgeons of England.**
Deputy Chair, 2015-17 (Chair Renton T).
Publishing, 'FDS RCS Parameters of care for patients undergoing mandibular third molar surgery.' 2021
- **British Dental Association Hospital Group**
President 2015-18. Hosted meeting 2016 in Sheffield and session arranged for BDA national conference 2017.
- **Greater Manchester Cluster Safe and Sustainable Programme: Oral and Maxillofacial Surgery Project, Clinical Leaders Group.**
2012-13.
This group described the transformation of OS and OMFS services across Greater Manchester with the transfer of minor surgery to primary care, reduction in number of hospital units and centralisation of in-patient units.
- **Intercollegiate Advisory Committee for Sedation in Dentistry**
Member 2011-12. Representative of Faculty of Dental Surgery of the Royal College of Surgeons of England.
- **Independent Expert Group on Training Standards for Sedation in Dentistry UK**
Member 2011-13.
- **NW Deanery Training Programme Director (TPD)**

2011-14. Responsible for co-ordinating training of dentists in the following programmes ensuring that they strive for the highest standards of patient-centred care and commit themselves to a lifetime professional development: Oral Surgery, Oral Medicine, Dental and Maxillofacial Radiology, Oral and Maxillofacial Pathology, Special Care Dentistry, and Dental Public Health. Ensuring national standards determined by College or Faculty and also guidelines and standards established within the Deanery.

- **Academic Advisory Committee in Oral and Maxillofacial Surgery (AACOMS)**
Elected Member 2005-10 (Previously trainee representative 1995 to 1999). Shared responsibility for ensuring that training programmes are fit for purpose and I was lead visitor for training programme visits. I participated in developing the proposals for the establishment of a new SAC in Oral Surgery and training following the fusion of the Surgical Dentistry list and (Academic) Oral Surgery list to form the revised GDC specialist list 'Oral Surgery'.
- **Association of British Academic Oral and Maxillofacial Surgeons (ABAOMS)**
Committee Member 2004 to present. Organiser of the Association of British Academic Oral and Maxillofacial Surgeons annual meeting held in Manchester, 2004.
- **Dental Sedation Teachers Group Committee**
Chairman 2006-09, Previous Past Chairman 2009-10. School Representative 1993-98, 2010-present and Elected Ordinary Member 2002-05, Elected Secretary 2003-06. The Dental Sedation Teachers Group (UK) develops national policy for undergraduate and postgraduate training. Chair of Working Group 'Conscious Sedation in Dentistry Standards for Postgraduate Education' Published 2008.
- **British National Formulary**
Expert Adviser. The Royal Pharmaceutical Society of Great Britain.
- **NHS Direct**
Expert Adviser
- 2016/17 **NICE Adviser** via Liverpool Reviews & Implementation Group (LRiG) on Wisdom Tooth NICE Guidance Update.
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- 2020/23 **Honorary Dental Consultant Advisor** Office of the Chief Dental Officer NHS England and NHS Improvement. Skipton House, 80 London Road, London, SE1 6LH.

UNIVERSITY LEADERSHIP

- As Dean of the Institute of Dentistry at Queen Mary University of London I provide strategic leadership to a team of internationally renowned researchers committed to improving health. I am committed to realising success in REF 2021 that was demonstrated in the Research Assessment Framework 2014.
- Moved QS World Subject Rankings for QMUL Dentistry from N/A (outside 75) to 11th in the World overall and 1st in the World for Citation metric for Dentistry in 2020. 14th in the World and 3rd for Citation in 2021.
- Successful graduation of BDS and BSc students 2020 and 2021 despite Covid-19 pandemic and suspension of dental clinical practice in UK for four months, redeployment of clinical academic, nursing and administrative staff, slow and still persisting slow clinical recovery.

Sought HEE funding to establish evening and Saturday student clinics after a period of pre-clinical skills catch to rebuild confidence.

- Successful GDC inspection of BDS and BSc programmes in 2019.
- Encouraged development of the Dental Student Society and especially international collaboration. QMUL representation on committee and as Chair 2019/20 European Dental Student's Association. QMUL hosted BDSA National Conference 2020.
- Introduced:
DL MSc Dental Public Health, Policy and Leadership 2019
DClinDent in Oral Medicine 2019
DClinDent in Oral Surgery 2020
- Moved QMUL Dentistry NSS from 73% in 2018 (rank 16 of 17 Dental Schools) to 89% in 2019 (rank 8 of 15 Dental Schools). Unfortunately Manchester NNS dropped from 93% (rank 5 of 17 Dental Schools) to 65% (rank 14 of 15 Dental Schools).
- Developed good collaborative relationship with Barts NHS Trust through regular liaison meetings jointly chaired by the Royal London CEO and myself.
- Undertaken a large piece of work to examine re-charges to QMUL from Barts NHS Trust for clinical academic NHS PAs. This required clarification of all consultant job plans.
- Undertaking work to understand use of Dental Undergraduate TARIFF paid by HEE for clinical placement with Barts NHS Trust.
- Sichuan, China, Summer School delivered by QMUL Dentistry July 2021 building on my visit 2019 on behalf of Medicine and Dentistry.
- Developing collaboration with Manipal, India, Dental School, 2021.
- Previously as Dean of Dentistry at the University of Manchester:
 - The School of Dentistry as part of the Unit of Assessment 3 (Allied Health Professions, Dentistry, Nursing and Pharmacy) was judged to be number **ONE** of the 94 submissions from across the UK for REF 2014 in terms of overall research performance including outputs, environment and impact. Across all ratings REF ratings, UoA3 has come out well with 81.3% of our Outputs rated at 4* or 3*. We achieved 100% 4* or 3* for Impact and for Research Environment, we were rated at a maximum (100% at 4*).
 - Hosted the first National Union of Kuwaiti Students UK & Ireland conference, 'Ideogenesis...The Birth of Ideas' conference encouraging creativity and innovation, 2016.
 - Created the 'British Dental Undergraduate Research Conference' 2015, with annual conferences in 2016, 2017. Over 340 student attendees (40% from outside Manchester) 2017. Fostering clinical academia, love of research and intercalation opportunities.
 - Successful 2014 GDC re-inspection of BDS programme following poor inspection just prior to my appointment. 'The inspectors were impressed with manner in which the School had responded to the 2012 GDC inspection report. The senior management had not only acknowledged the areas that were highlighted for improvement, but started an ambitious and well-targeted action plan. The reaction of staff at all levels was one of insight and innovation and should be commended'.

- Successful GDC inspection of BSc programme in 2015.
- Encouraged development of the Manchester Dental Student Society (MDSS) with funding for Website, overarching Sports Society, and international collaboration.
- NSS. School of Dentistry at 96% in the NSS was the highest score in the University in 2016 but fell to 83% 2017 (Assessment and Feedback, Organisation and Management) related to Faculty restructure.
- I enhanced the quality of teaching building on synergy between School and Trust. I initiated some media interest in oral health need (ITV documentary 2014, 'The Dentists').
- Grown PGT and high-income three-year programmes that I introduced in 2008.
- New Postgraduate Programmes for admission 2017.
 - MSc in Paediatric Dentistry
 - Distance Learning MSc programme in *Evidence-Based Health Care*
 - Mclin Res (Funded NIHR studentships for dental hygienists)
- Introduced 4-year PhD incorporating 1/day week clinical experience for the international market. 2014.
- Introduced more effective BDS admissions process in 2018 with MMIs.
- **Fitness to Practice Committee**
2005 to present. Committee member for Faculty of Medical and Human Sciences.
- **Promotions Committee**
2004 to present, School of Dentistry. 2017 to present School of Medical Sciences.
- **MSc Programme Director, Oral and Maxillofacial Surgery**
2000 to 2017.
- **MSc Programme Director, Control of Pain and Anxiety**
2006 to 2009.
- **Divisional Research Lead**
2011 to 2013. Central Manchester University Hospitals NHS Foundation Trust. Responsible to delivering and achieving Divisional research targets.
- **Head of University and Clinical Department of Oral and Maxillofacial Surgery**
2000-04 when School became single department school, then line-manager for OMFS staff until 2010.
- **Resuscitation Training Co-ordinator**
1998-04. University Dental Hospital of Manchester (all NHS and University Staff and Students).
- **Director of Graduate Education and Research**
As Director of Graduate Education and Research (Associate Dean) for the School of Dentistry from 2004-09 I was responsible for developing and achieving a strategy for Graduate Education in the School in accordance with the University's overall strategy, and for providing leadership to colleagues. As part of the School's Senior Management Team, I worked with the Head of School and Senior Administrative Staff to devise a School Graduate Education

strategy and to ensure that the University and Faculty strategy was embedded in academic practice. I was responsible for overseeing and contributing to the development of local generic training provision for postgraduate students and supervisory training for staff and introduced school core training sessions for students and training at Away Days for staff.

- I devised and introduced 7 new taught graduate programmes in September 2006 (MSc, PGDip, PG Cert Dental Implantology, MSc, PGDip Control of Pain and Anxiety, PGDip Oral and Maxillofacial Surgery, and PGDip Endodontics). These programmes significantly enhance our school graduate portfolio and offer increased flexibility and preparation for dentists with a special interest to deliver limited specialist care in primary care. Programme development was facilitated by the successful Faculty Strategic Fund award to support a Programme Development Project Manager for one year whom I directed. I also initiated the introduction of a distance learning MSc in Aesthetic Dentistry in collaboration with a commercial educational company, Smile-On.
- I introduced supervisor training, screening of research protocols as part of research governance policy, implemented a marketing strategy (including booth at International Association of Dental Research Annual Congress), restructured the graduate committee, significantly increased student numbers, introduced student scholarships and a travel scholarship, refurbished graduate accommodation, introduced oral presentation annual symposia for research and taught programme students with prizes, and provision of a laptop computer for each graduate student.
- As Head of the Dental School I had responsibility for ensuring high quality service by university staff with Trust contracts, UG & PG, BDS & BSc students. During the last 12 months there have been no incidents of *V3 Nerve Injury/Wrong Tooth Extraction/Incorrect Site Oral Surgery* on Trust **Patient Safety Dashboard** & 100% compliance of *Check 1 in Audit*.
- I oversaw the development of an **NPSA Correct Site Oral Surgery Policy** for National use. This *Preventing Wrong Tooth Extraction: Introduction of an Outpatient Surgical Safety Checklist, Implementation Strategy & Outcomes* was shortlisted for the 'Finals of NPSA Awards' 2014, a first for a dental project.
- I hosted the first ever UK '**Quality and Patient Safety Conference**' in Dentistry in 2014 as the leading NHS and Academic site.
- I am passionate about delivery of **evidence-based** care. I have demonstrated from my own clinical trials, statistically signif ($p < 0.01$) reduced postop pain & infection & increased mobility from recovery to 7 days for patients undergoing bone grafting of their jaws with hip bone. I give **Plenary Lectures** about practice of evidence-based OMFS in UK/internationally.
