**High Level Outline –Equivalence submission**

Name: [NAME] MSc MIMPT

Date of birth: [date]

Nationality: [xxxx]

Address: [professional address/department]

Email: [email]

**Employment History:**

**Date Employer Position**

**1987 - 89** Organisation1 Trainee Dental Technician

Address 1

**1989 - 90** Health Board 1 Trainee Dental Technican

Department

**1990 - 95** Health Board 2 Medical Technical Officer

Department

**1995 - 2000** Health Board 3 Medical Technical Officer

Department

**2000 - 2003** Hospital Trust Maxillofacial Prosthetist

Department

**2003 –** **Date**  Health Board 4 Principal Maxillofacial

Department Prosthetist

**Qualifications**

**1989** - SCOTVEC CERTIFICATE OF DENTAL TECHNOLOGY. - Subjects studied - Dental Impressions, Dental Casts, Dental Special Trays, Dental Record Blocks, Dental Surveying, Denture Repair & Rebase/Recline, Denture Flasking, Packing & Processing, Immediate Dentures, Complete Denture Construction, Introduction to Computers, Mathematics (statistics 1)

**1990** - CITY & GUILDS OF LONDON INSTITUTE - The Dental Technicians Final Certificate. Dental Laboratory Techniques (PASS), Dental Laboratory Material (PASS) Practical Test (PASS) Phased Tests (CREDIT).

**1991** - SCOTTISH VOCATIONAL EDUCATIONAL DIPLOMA IN DENTAL TECHNOLOGY - Crown & Bridge Technology, Prosthodontic Technology (11a) - Grade 2 Crown & Bridge Technology (11b) - Grade 2

General Studies (11b) - Grade 3

Prosthodontic Technology (11b) - Grade 2

**1993** - CITY & GUILDS OF LONDON INSTITUTE - Dental Technicians (Advanced) - Prosthodontic Technology. Written (Pass); Practical (Pass).

**1996** - CITY & GUILDS OF LONDON INSTITUTE - Dental Technicians (Advanced) - Orthodontic Technology. Written (Credit); Practical (Pass).

**1997** - CITY & GUILDS OF LONDON INSTITUTE - Dental Technicians (Advanced) - Maxillofacial Prosthetics and Technology. Written (Credit)

**1998** - CITY & GUILDS OF LONDON INSTITUTE - Dental Technicians (Advanced) - Maxillofacial Prosthetics and Technology. Practical (Pass)

**2010 –** UNIVERSITY OF GLASGOW - **MSc** in Medical Science

**Professional Body registrations:**

Member of the Institute of Maxillofacial Prosthetists and Technologists

Registered with the General Dental Council.

**A: Current Role**

My duties include both expert practise and some managerial responsibilities of a highly specialist multi centre Regional Maxillofacial Prosthetic and Technical service to the [Area] (population approx x million), and the [Area 2] (population approx x million. The service spans Oral and Maxillofacial Surgery, Plastic Surgery, Neurosciences incorporating Neurosurgery, Neurology, Neuroradiology, Neuropathology, Neurophysiology and Neuroanaesthetics, Ear Nose and Throat Surgery and Opthalmic Surgery specialties.

My role covers the management of scientific and advisory services to patients with deformities which are congenital, acquired (trauma) or as a result of ablative surgery (cancer) for their rehabilitation by restoration using various highly specialised techniques.

I communicate with patients with severe facial deformities and or learning difficulties, which affects speech and understanding - making consultation very challenging. .I liaise with various surgical specialties i.e. Anaesthetics to advise on anaesthetic methods for intra-operative facial impression, retention of useful tissue remnants for prosthetic retention, pre-surgical assessments for craniofacial deformity patients.

I established the [Area] Skin Camouflage service, co-ordinating consulting, advising and teaching in this unique specialty which is provided as an adjunct to surgical reconstruction, congenital defects and injuries resulting from trauma.

I am part of a team that provides 24 / 7 emergency on-call service to all surgical specialties.

for the provision of custom made treatment appliances used to treat oral and facial fractures, excessive bleeding post surgery, avulsed teeth and any other appliances required.

I possess an MSc in Medical Science, I teach postgraduates and I am research active with responsibility for my own development projects.

**B: Generic Healthcare Science Experience**

My generic appreciation of Healthcare Science is largely derived from having worked with a range of Healthcare Science and other clinical staff to gain a broad understanding of their function. I work closely with the following specialties:

Clinical Physics for their general and specialist knowledge for equipment maintenance and advice.

Radiography for evaluation of images in the production of 3D anatomically accurate models.

Information Technology for assistance on acquiring and installing software and any other IT centred technologies required for medical 3D imaging and image manipulation for example Materilise, Pac’s and other laboratory computerised systems such as MHRA certification software which is a legal requirement.

Medical Illustration and Clinical Photography for patient records i.e. photographs of prosthetic results. Preparation of patient instruction leaflets and material for compilation of lectures, presentations and publications.

Clinical Engineering for prototype fabrication of custom designed medical devices and proto-type devices for patient treatment.

Orthotics for prosthetic digits and custom radiography positioning devices.

Opthalmology for the referral of patients requiring indwelling eye prostheses.

Audiology for patients requiring bone anchored hearing aids).

I have an extensive knowledge of the head and neck, also an understanding of the rest of the human anatomy. This also includes a broad knowledge of cranio- facial syndromes, an understanding of tissue transfer from other areas of the body, fracture classification and treatment modalities. I develop my knowledge of anatomy, physiology and disease states by attending conferences, symposiums and reading medical journals as well as everyday patient cases.

I understand and implement Health Board Policy, including maintaining mandatory training and maintaining Continual Professional Development as required by the General Dental Council, and on line learning tool such as Health and Safety, Infection Control, Hygiene, Fire safety, Equality and Diversity etc.

I am familiar with local surveillance rules for infection control, the role of the laboratory service, and steps we must take to maintain patient safety. Over the last seven years I have followed the development of Healthcare Science in Scotland and Modernising Scientific Careers. I have attended national HCS workforce events, giving me an appreciation of the work of HCS peers and the wider pathology types. I understand NICE guidelines, relevant MHRA and European policies.

I communicate highly complex and sensitive clinical/ technical procedures to different groups of patients/ clinical/ technical staff, which has given me a wider appreciation of their roles.

I am active in advancing the specialty of Maxillofacial Prosthetics and Technology, including new innovations and state of the art technologies associated with Cranio-maxillofacial rehabilitation such as 3D imaging techniques for the correction of facial deformities, CAD-CAM rapid prototyping, IT centred technologies and material sciences.

**C: Leadership and Organisation Experience**

My leadership development and awareness has come from my responsibilities for the supervision of the Practicing Maxillofacial Prosthetists in our department.

I am the departmental lead for the Health & Safety steering group for the OMFS Regional services and act as Health and Safety Management Manual holder accountable for ensuring that our team observes statutory health and safety and COSHH legislation.

I organise and participate in specialist out-patient clinics across the [Area], giving me experience of staff rosters, performance reporting to local management, and engagement with the wider clinical team. I organise multi-disciplinary clinical case conferences and, allocate work of the unit.

My clinical duties include maintenance of patients’ case notes/medical records and communication by letter with referring consultants/general practitioners when necessary.

I completed the ***NHS Ready to Lead*** Organisational manager’s course which involved refining the department’s ordering and stock control to better manage our department’s annual budget.

**D: HCS Divisional Experience**

I have a collaborative relationship with Clinical Engineering for proto-type device production. I have a broad understanding of Radiography techniques used in the production of 3D anatomical models for patient treatment planning. Care of head and neck cancer patients requires a working knowledge of Radiotherapy modalities to allow for expedient treatment planning. I work with Medical/Clinical Physics for calibration of equipment required necessary for MHRA registration.

**E: Training and Research experience:**

I have presented nationally and internationally on cranio-facial skeletal deformities involving orthognathic model surgery; I have organised various scientific courses and conferences in this field.

I was awarded a Masters degree in medical science (by research) graduating from University of [ ] in 2010 in this subject.

I have extensive knowledge in all other aspects of Maxillofacial prosthetics and technology, including working with patients with complex soft tissue and hard tissue defects. I have been involved in the research in various aspects of my profession such as pioneering techniques in Extra Mucosal Fixation and breast reconstruction .

I am a full member of the Institute of Maxillofacial Prosthetists and Technologists (IMPT). I was part of the team that provided technical input and services for the first course on Distraction Osteogenisis at the Craniofacial Surgery and Research Centre, Dharwad, India. This course was attended by 50+ Surgeons and students from all over India. During this trip we trained 6 Maxillofacial Surgeons and 2 support Technicians leaving a competent team to carry the work into the future. This led to a collaborative research paper between Dharwad and the SGH.

I supervise full time overseas Masters’ research students from [ ] University and I am external lecturer / supervisor for the training of learning of full time and distance learning MSc students at [ ] , London.

My own studies included a course in the application of statistical analysis, experiment design, areas of error and ethics. These skills are enhanced by regular application for the student projects I supervise and the papers I have to review for publication.

As a result of my research I have published 3 papers in peer reviewed journals.

I am a member of the IMPT Journal’s Editorial Board. I am asked to review scientific papers prior to publication in the IMPT Journal.

I am a member of the Centre for Applied Reconstructive Technologies in Surgery (CARTIS) a multi-unit research group and the Biotechnology and Craniofacial Research Group (BACS) based in [city].

My research has allowed me to deliver a number of presentations at national and international conferences and to be awarded first prize for best scientific research paper - Scottish Oral and Maxillofacial Society S.O.M.S.

**F: Specialty experience**

My research activities have translated into service. I have been involved in various research projects which have led to improved methods of volumetric measurement used in breast reconstruction. I have designed and fabricated an improved intra-oral fixation device which was successfully used in the treatment of mandibular fractures.

These projects have required a sound scientific basis and cross specialty co-operation.

The department’s acquisition of a 3D printer has allowed us in conjunction with the Radiography department to produce 3D models for the correction of cranio-facial deformities. A rounded knowledge of the different deformities, anatomical applications and correction techniques are essential for the treatment of these patients this is my area of personal interest.

I recently assisted in the presentation of a 3D Workshop covering image manipulation, model production, deformity classification and cancer treatment modalities at BAOMS (British Association of Oral and Maxillofacial Surgery) held in Edinburgh.

In my capacity as IMPT journal reviewer I have reviewed many papers for publication and look forward to this journal becoming international in the near future.