

CV FOR WEBSITE

Short Biography

Dr. William Tiong, a graduate from the National University of Ireland, Galway, was awarded his postgraduate Masters in Plastic, Reconstructive & Aesthetic Surgery qualification from Reconstructive Sciences Unit in Universiti Sains Malaysia. He also holds postgraduate qualifications from the Royal College of Surgeons in Ireland, and a higher education doctorate in Network of Excellence for Functional Biomaterials from Galway, Ireland. Over the years, he has a wealth of experience working in Plastic, Reconstructive, & Hand Surgery Centers as well as cosmetic surgery in hospitals in Ireland namely Cork University Hospital, University Hospitals Galway, and Connolly Hospital, Beaumont Hospital and Mater Misericordiae University Hospital in Dublin. In Temple St. Children's University Hospital in Dublin, Ireland, he gained wider exposure in the care of children with cleft lip and palate, and craniofacial deformities.

In Malaysia, he has worked in Hospital Kuala Lumpur, Hospital Universiti Sains Malaysia, and Sarawak General Hospital, all of which are tertiary referral centers for burn care and leaders in reconstructive surgery in the field of head and neck cancers, breast cancers and limbs restoration. In addition, he is actively involved in propagation of knowledge through his involvement in lectures and seminars to medical students, and was invited as a speaker among professionals in Sarawak Oculoplastic Workshop. He has also presented in numerous conferences throughout in the world to share his ideas and knowledge in the field of restorative tissue engineering with fabricated collagen and in plastic surgery meetings. He is also a facilitator in Basic Surgical Skills Workshop under the Royal College of Surgeons in Ireland (RCSI) and Penang Medical College (PMC). Recently, he was also invited as a reviewer in peer-reviewed journal British Journal of Pharmaceutical Research, and British Journal of Medicine and Medical Research.

EDUCATION AND TRAINING

1. MB BCh BAO (Galway, Ireland)
2. MRCS (Dublin, Ireland)
3. MD (Galway, Ireland)
4. MSurg (Plastic Surgery) (USM)

PROFESSIONAL MEMBERSHIP

1. Malaysian Society of Plastic Reconstructive Surgery (MSPRS)
2. Oriental Society of Aesthetic Plastic Surgery (OSAPS)
3. Persatuan Pembedahan Plastik dan Rekonstruktif Profesional Sarawak (PRPS)
4. Malaysian Medical Council (MMC)
5. General Medical Council (GMC)
6. Irish Medical Council (IMC)

RESEARCH

1. Dendrimeric Collagen Matrix-mediated Gene Delivery for Tissue Regeneration

- and Reconstruction in Network of Excellence for Functional Biomaterials (NFB), National University of Ireland, Galway (NUIG)
2. Palatal Cleft Dimension in Patients with Unilateral Cleft Lip and Palate among Ethnic Malays: An Implication on Surgical Outcomes in Universiti Sains Malaysia (USM)
 3. Analytical Study of Burn Depth Identification using Image Mining Approach Algorithm in Universiti Malaysia Sarawak (UNIMAS)

PUBLICATIONS

1. **Tiong WHC**, Mat Zain MA, Basiron NH. 'Augmentation rhinoplasty in cleft lip nasal deformity: preliminary patients' perspective'. Plast Surg Int. 2014 Sep; 2014: 202560.
2. Cahill KC, **Tiong WHC**, Conroy FJ. 'TriNeural Injury To the Right Hand Following Domestic Electrocution'. J Burn Care Res. 2014 Sep-Oct; 35(5): e353-6.
3. **Tiong WHC**, Basiron NH. 'Challenging Diagnosis of a Rare Case of Spontaneous Keloid Scar'. J Med Cases. 2014 Aug; 5(8): 466-9.
4. **Tiong WHC**, Basiron NH. 'Reverse Abdominoplasty Flap in Reconstruction of Post Bilateral Mastectomies Anterior Chest Wall Defect: A Case Report'. Case Rep Med. 2014 Aug; 2014: 942078.
5. Damodaran G, **Tiong WHC**, Collighan R, Griffin M, Navsaria H, Pandit A. 'In vivo effects of tailored laminin-332 $\alpha 3$ conjugated scaffolds enhances wound healing: A histomorphometric analysis'. J Biomed Mater Res A. 2013 Oct; 101(10): 2788-95.
6. **Tiong WHC**. 'Emergency Burn Care in Practice: From First Contact to Operating Theatre'. In McLaughlin & Paterson, ed. Burns: Prevention, Causes and Treatment. 1st ed. New York: Nova Science Publishers, Inc. 2012 Aug; ISBN 978-1-62100-446-2
7. **Tiong WHC**, Kelly EJ. 'Ulnar Nerve Entrapment by Anconeus Epithrochlearis Ligament'. Hand Surg. 2012 Mar; 17(1): 83-4.
8. **Tiong WHC**. 'On Scene First Aid and Emergency Care for Burn Victims'. Int Public Health J 2012 Mar; 4(1): 3-24.
9. **Tiong WHC**, O'Shaughnessy M, O'Sullivan ST. 'Cost Awareness among Doctors in an Irish University-affiliated Teaching Hospital'. Clin Prac. 2011 Nov; 1(4): e91-3.
10. **Tiong WHC**, O'Sullivan ST. 'Extrusion of Bone Anchor Suture Following Flexor Digitorum Profundus Tendon Avulsion Injury Repair'. J Plast Reconstr Aesthet Surg. 2011 Sept; 64(9): 1242-4.
11. Dunlop RLE, **Tiong WHC**, Veerasingham D, Kelly JL. 'Novel use of hand fracture fixation plates in the surgical stabilization of flail chest'. J Plast Reconstr Aesthet Surg. 2010 Jan; 63(1): e51-3.
12. **Tiong WHC**, Lynch JB, Kelly JL. 'Childhood Dupuytren's Disease of the Interphalangeal Joint of the Thumb'. Eur J Plast Surg. 2009 Dec; 32(6): 319-21.
13. **Tiong WHC**, Ismael TS, Chan JCY, Regan PJ, McCann J, Kelly JL. 'Reduced Painful Facial Infiltration with Mixture of Lignocaine-Bupivacaine in comparison to Individual Agents'. Eur J Plast Surg. 2009 Feb; 32(1): 29-32.

14. **Tiong WHC**, O'Sullivan B, Ismael T. 'Managing Extensive Fournier's Gangrene Secondary to Bilateral Inguinal Hernias'. J Plast Reconstr Aesthet Surg. 2009 Nov; 62(11): e533-5.
15. **Tiong WHC**, Butt FS. 'Subcutaneous Emphysema of the Upper Extremity following Penetrating Blackthorn Injury to the Wrist'. J Plast Reconstr Aesthet Surg. 2009 Feb; 62(2): e29-32.
16. **Tiong WHC**, Kelly EJ. 'Salicylic Acid Burn Induced by Wart Remover: A Report of Two Cases'. Burns. 2009 Feb; 35(1): 139-40.
17. **Tiong WHC**, Damodaran G, Naik H, Kelly JL, Pandit A. 'Enhancing Amine Terminals in Amine-deprived Collagen Matrix'. Langmuir. 2008 Oct; 24(20): 11752-61.
18. **Tiong WHC**, Sattler T, O'Sullivan ST. 'A Case of Double Buried Earrings in Earlobes: Uncommon Complication'. Eur J Plast Surg. 2008 Apr; 31(1): 29-31.
19. Chan JC, **Tiong WH**, Hennessy MJ, Kelly JL. 'A Guyon's Canal Ganglion Presenting as Occupational Overuse Syndrome: A Case Report'. J Brachial Plex Peripher Nerve Inj. 2008 Feb 12; 3(1): 4.
20. **Tiong WHC**, Ismael T, McCann J. 'Post-traumatic and Post-surgical Absidia corymbifera Infection in a Young, Healthy Man'. J Plast Reconstr Aesthet Surg. 2006 Dec; 59(12): 1367-71.
21. **Tiong WHC**, Ismael T, Regan PJ. 'Fibroma of Tendon Sheath: A Rare Cause of Carpal Tunnel Syndrome'. J Hand Surg [Br]. 2006 Oct; 31(5): 579-80.
22. Langhi S, **Tiong WHC**, O'Rourke P. 'Spontaneous Insufficiency Fracture of the Lateral Malleolus in a patient with Primary Hyperparathyroidism'. Irish Journal of Orthopedic and Trauma Surgery. 2005 Jan; 2(1): 1-3

PRESENTATIONS

1. Chua SHL, Kuan PN, Safawi E, Wang HH, **Tiong WHC**. 'Classification of Skin Burn Depth in Human'. Innovation and Technology Exposition 2017 (InTEX 17), DeTAR Putra, Universiti Malaysia Sarawak (UNIMAS). May 2017.
2. Conference for Information Technology in Asia (CITA 17). May 2017.
3. **Tiong WHC**, Mat Zain MA, Basiron N. 'Augmentation Rhinoplasty in Cleft Lip Nasal Deformity among Oriental Population: The Patients' Perspective'. 17th ASEAN Congress of Plastic Surgery in conjunction with 11th International Confederation for Plastic, Reconstructive & Aesthetic Surgery (ASEAN-IPRAS) - Asia Pacific Section Congress, Grand Hyatt Singapore. Aug 2014.
4. **Tiong WHC**, Mat Zain MA, Basiron N. 'Augmentation Rhinoplasty in Cleft Lip Nasal Deformity among Oriental Population: The Patients' Perspective'. 2nd Asian Pacific Federation of Societies for Reconstructive Microsurgery (APFSRM), Lotte Resort & Hotel Buyeo, Korea. Jul 2014.
5. **Tiong WHC**, Mat Zain MA, Basiron N. 'Augmentative, Open Secondary Cleft Rhinoplasty in Oriental Population: 16 Cases in One Year'. Malaysian Society of Plastic and Reconstructive Surgery (MSPRS) 2nd Annual Scientific Meeting (ASM), Port Dickson, Negeri Sembilan, Malaysia. May 2013.
6. **Tiong WHC**, Ismael TS, McCann J, Regan PJ, Kelly JL. 'Reducing Infiltration-associated Pain with Mixture of Lignocaine-bupivacaine Anaesthetic Agents'. 20th EURAPS Meeting, Barcelona, Spain. May 2009.

7. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Fabrication and Characterisation of Dendrimeric-crosslinked Collagen Construct as Gene Vector Carrier'. IAPS Summer Meeting, Galway, Ireland. May 2009.
8. **Tiong WHC**, Kelly JL, Pandit A. 'Controlled Gene Delivery in Reconstructive Collagen-based Constructs using G1 PAMAM Dendrimer Nanotechnology'. 33rd Sir Peter Freyer Surgical Scientific Meeting, Galway, Ireland. Sept 2008.
9. **Tiong WHC**, Zeugolis DI, Yao L, Pandit A. 'Towards functionalisation of collagenous fibrous structures'. TERMIS-EU Meeting, Porto, Portugal. Jun 2008.
10. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Development and Optimization of Dendrimeric Crosslinked Collagen Scaffold'. 8th World Biomaterials Congress, Amsterdam, The Netherlands. May 2008.
11. Castells R, Yao L, **Tiong WHC**, Wallace M, Ritter T, Kelly JL, O'Brien T, Pandit A. 'EDC/NHS and PAMAM Dendrimer Cross-linked Collagen Scaffold for Sustained Gene Delivery'. 8th World Biomaterials Congress, Amsterdam, The Netherlands. May 2008.
12. Holladay C, Naik H, **Tiong WHC**, Schutz J, Damodaran G, Pandit A. 'A Dendrimer-crosslinked Scaffold as a Vehicle for Non-viral Gene Delivery'. 8th World Biomaterials Congress, Amsterdam, The Netherlands. May 2008.
13. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Development and Optimisation of a Fabricated Crosslinked Collagen-Dendrimer Scaffold'. BAPRAS Winter Meeting, London, UK. Dec 2007.
14. **Tiong WHC**, Lynch JB, Kelly JL. 'Childhood Dupuytren's Disease of the Thumb: A Case Report'. BAPRAS Winter Meeting, London, UK. Dec 2007.
15. **Tiong WHC**, O'Brien T, Kelly JL, Pandit A. 'Sustainable Gene Delivery Facilitated by G1 PAMAM in a Dendrimeric-Collagen Scaffold'. IAPS Winter Meeting, Dublin, Ireland. Nov 2007.
16. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Cell Sustainability in a Dendrimerically Cross-linked Collagen Scaffold'. TERMIS-EU Meeting, London, UK. Sept 2007.
17. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Optimization of a Fabricated Crosslinked Collagen-Dendrimer Scaffold'. 32nd Sir Peter Freyer Surgical Scientific Meeting, Galway, Ireland. Sept 2007.
18. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Fabrication and Characterisation of a Dendrimerically Crosslinked Collagen Scaffold'. IAPS Meeting, Galway, Ireland. May 2007.
19. **Tiong WHC**, Damodaran G, Kelly JL, Pandit A. 'Cell Sustainability in a Dendrimerically Crosslinked Collagen Scaffold'. Faculty of Engineering Annual Research Day Conference, Galway, Ireland. Apr 2007.
20. **Tiong WHC**, Ismael T, Lee W, Regan PJ, McCann J, Kelly JL. 'Prospective Evaluation of Pain Scores in Local Anaesthetic Procedures'. ESPRAS Meeting (in association with BAPRAS), Porto, Portugal. Oct 2006.
21. **Tiong WHC**, Lynch JB, O'Sullivan ST, O'Shaughnessy M. 'Cost Awareness among Hospital Staff: Do we know how much we spend?'. IAPS Meeting, Cork, Ireland. May 2006.
22. **Tiong WHC**, Ismael T, Lee W, Regan PJ, McCann J, Kelly JL. 'Prospective Evaluation of Pain Scores in Local Anaesthetic Procedures'. 30th Sir Peter Freyer Surgical Scientific Meeting, Galway, Ireland. Sept 2005.

23. **Tiong WHC**, Ismael T, Lee W, McCann J. 'Mucormycosis Post-Traumatic Amputation in a Young, Healthy Man'. 30th Sir Peter Freyer Surgical Scientific Meeting, Galway, Ireland. Sept 2005.
24. **Tiong WHC**, Ismael T, Regan PJ. 'Two Isolated Rare Causes of Carpal Tunnel Syndrome'. IAPS Meeting, Galway, Ireland. May 2005.
25. **Tiong WHC**, Ismael T, Lee W, Regan PJ, McCann J, Kelly JL. 'Prospective Evaluation of Pain Scores in Local Anaesthetic Procedures'. IAPS Meeting, Galway, Ireland. May 2005.
26. **Tiong WHC**, Ismael T, Lee W, McCann J. 'Mucormycosis infection in post-traumatic patient, immunocompetent host'. IAPS Meeting, Galway, Ireland. May 2005.
27. **Tiong WHC**, Lynch JB, Kelly JL, Regan PJ, McCann J. 'Blackthorn Injuries to the Hand'. Sylvester O'Halloran Surgical Scientific Meeting, Limerick, Ireland. Mar 2005.
28. **Tiong WHC**, Ismael T, Regan PJ. 'Two Isolated Rare Causes of Carpal Tunnel Syndrome'. Sylvester O'Halloran Surgical Scientific Meeting, Limerick, Ireland. Mar 2005.
29. Lynch JB, Ismael T, **Tiong WHC**, Kelly JL. 'Release of Anterior Neck Burn Contracture using Artificial Dermis and Vacuum Assisted Closure - A Case Report'. Sylvester O'Halloran Surgical Scientific Meeting, Limerick, Ireland. Mar 2005