

Curriculum Vitae
Dr Anita Tanniru Mohan, MBBS PhD BSc(Hons), MBA

Updated: 06/27/23

PROFESSIONAL INFORMATION

Citizenship: United Kingdom
USA status: Green Card, Permanent Resident since Oct 2018

Professional Contact Info

Stanford University SOM
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ACADEMIC HISTORY

Present Position

Clinical Instructor, Microsurgery Fellow, Stanford University, Palo Alto, CA, USA	8/22-7/23
Research collaborator, Division of Plastic Surgery, Mayo Clinic, Rochester, MN USA	8/22-present

Education/Qualifications

Associate of London College of Music (ALCM) Diploma in Pianoforte	1/00-1/01
Bachelors in Medical Science with Management, BSc (2:1) Hons, Imperial College London, UK	9/00-6/05
Associate of Imperial College School of Medicine (AISCN), Imperial College London, UK	9/00-6/06
Membership to the Royal College of Surgeons MRCS(Eng) London, UK	8/06-8/09
PhD, Department of Surgery, University of Cambridge, UK	03/14-3/20
Masters of Business Administration (MBA), Labovitz School of Economics, University of Minnesota, MN, USA <i>Expected graduation August 19, 2022.</i>	09/20-12/22

Plastic Surgery Integrated Residency, Mayo Clinic, Minnesota, US

07/16-6/22

Honors/Awards

Commendation for Outstanding Presentation: Burns Skills Training Course, Red Cross War Memorial Children's Hospital, Cape Town, S. Africa	2011
Best Paper Award: Chang Gung Mayo Clinic Symposium in Reconstructive Surgery, Taiwan. Reliability of Vascular Perfusion of Keystone Flaps in Lower Extremity Oncological Reconstruction	2014
Best Resident Paper: American Society of Reconstructive Microsurgery. Strategies in oncological reconstruction: modification to the keystone perforator flap concept and maintaining vascular integrity	2015
Novadaq Technologies (Vancouver CA) Travelling Bursary to World Society of Reconstructive Microsurgery	2015
British Association of Plastic, Reconstructive and Aesthetic Surgeons Travelling Bursary for Presentation Overseas, London,UK	2015
Blond Royal College of Surgeons of England Research Fellowship, London, UK	2015
Gibson Prize, Best Paper Award: Society of Academic Research Surgery (SARS), Royal College of Surgeons of England. Tomouk T, Mohan AT, Azizi A, Brickely E, Conci E, Malata CM. Diep free flap breast reconstruction: Review of impact of surgical procedure on donor site morbidity	2016
Welton Foundation award, London, UK.	2015
American Society for Reconstructive Transplantation (ASRT) Travelers Scholarship	2018
Poster of Distinction, Annual American College of Surgeons Surgical Simulation Summit, Chicago,IL, USA. Microsurgical Skills Training Course: The Effect on Microsurgery Trainees' Confidence and Workload.	2018
Top Paper in Translational Research: Mayo Clinic Young Investigators Research Symposium, Mayo Clinic. Developing Swine Hemi-facial Composite Tissue Flap Models for Vascularized Composite Allotransplantation and Facial Nerve Regeneration.	2018
Second place, Best Oral Presentation Minnesota Surgical Society (MSS), Rochester MN. Abdelrahman A, Lowndes BR, Mohan AT, Anding W, Koenig J, Lemaine V, Noland S, Bakri K, Moran SL, Mardini S, Hallbeck MS.	2018

Arris and Gale Lectureship, Royal College of Surgeons of England, London, UK Bridging the Gap between Microvascular Anatomy and Flap Physiology in Autologous Breast Reconstruction with the use of Advanced Imaging Technologies: Implications for Flap Perfusion and Design.	2018
Finalist Beahrs Innovation Summit Shark Tank, Department of Surgery, Mayo Clinic, Rochester MN. Ergonomic Analysis During Surgery and Surgical Simulation Using Depth Cameras and Virtual Reality Platforms.	2019
National Endowment in Plastic Surgery Award, Plastic Surgery Foundation (PSF), USA. Hemifacial Composite Allograft Transplantation Model for Nerve Regeneration Assessment. Mohan AT, Hatem A, Bakri K, Mardini S.	2019
Poster of Distinction, Balfour Surgery Research Symposium, Rochester, MN. Robotic-Assisted Flap Harvest for Autologous Breast Reconstruction: Feasibility of a Regenerative Plastic Surgery Support System. Bustos SS, Mohan AT, Terzic A, Nguyen M, Martinez-Jorge J, Forte AJ, Manrique OJ.	2019
Maki Graduate Scholarship, Labovitz School of Business and Economics, University of Minnesota	2020
Aesthetic Society Education and Research Foundation (ASERF) Resident Scholarship	2021
Maki Graduate Scholarship, Labovitz School of Business and Economics, University of Minnesota	2021

Board Certifications

Intercollegiate MRCS(England), Royal College of Surgeons, UK	2009
United States Medical Licensing Examination, USMLE ECFMG	2012
Advanced Trauma Life Support	2016-20
Advanced Cardiac Life Support	2016-20
Basic Life Support	2016-20

Licensure

United Kingdom General Medical Council; No. 6148914 (Limited license)
United States Medical Board of California Medical License; No. 174480
NPI 1083078745

Drug Enforcement Agency (DEA)

EMPLOYEMENT HISTORY

Foundation Training (Internship), London Deanery, London, UK <i>Orthopedics, ICU, Geriatric Medicine, Emergency medicine, Thoracic surgery, Urolog</i>	08/06-8/08
Core Surgical Training, London Deanery, London, UK <i>Plastic Surgery, Orthopaedics, ENT, Breast</i>	10/08-10/10
Core Surgery Training Year 3, Royal Free Hospital, Plastic Surgery, London, UK	10/10-4/11
Plastic Surgery Junior Clinical Fellowship, University of Cape Town, S. Africa	4/11-4/12
Plastic Surgery Residency, Eastern Deanery, Cambridge, UK	6/12-3/14
Research Fellow, Restoration of Appearance and Function Trust, RAFT, London, UK	3/14-12/17
Postdoctoral Research Fellow, Division Of Plastic Surgery, Mayo Clinic, Rochester, MN, USA	3/14-06/16
Microsurgery Fellow, Stanford University, Palo Alto, CA, USA	08/22-07/23

Electives

Specialty choice module in Hand Surgery, Chelsea and Westminster Hospital, London UK	06/03-06/03
Research Intern, Part time, Centre of Health Management, Tanaka Business School, London, UK	8/05-8/06
Medical Elective: Emergency Medicine and Orthopaedics, Howard Memorial Hospital, Willits, California, USA	11/05-12/05
Medical Spanish program, Spanish Abroad and American Spanish School, Antigua, Guatemala	9/08-10/08
Paz Holandeza, charity cleft lip palate mission, Hospital Général, Arequipa, Peru	6/10-6/10
Smile Week, supported by the Smile Foundation charity, Red Cross children's hospital, Cape Town, S. Africa	2/11-2/11
Great Ormond Street Hospital, Department of Plastic Surgery: Congenital Hand Outpatients Clinic, London, UK	6/12-6/12

Smile Network International & Mayo Clinic, Department of Plastic Surgery, Hospital Del Nino, Lima, Peru	2/20-2/20
Aesthetic Elective, San Francisco/Menlo Park/San Mateo, California, USA. Mentor: Dr LK Rosenfield	11/21-12/21
ReSurge Breast Reconstruction Surgical Training Trip, Hue, Vietnam	04/23

DEPARTMENTAL RESPONSIBILITIES

Plastic Surgery administrative resident, Addenbrookes Hospital, Cambridge University Hospitals Trust, UK	2013-2014
Chief Resident, Division of Plastic Surgery, Mayo Clinic, Rochester, MN, USA	06/21-06/22

TEACHING

Courses

Training the Trainers course, Royal Free Hospital, London	2010
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Undergraduate

OSCE teaching sessions and small group tutorials, final year and third medical students, Conquest Hospital, East Sussex	2006
Internal Examiner in Phase Three Incremental Clinical Examination, King's College London, UK	2009-2010
Anatomy Clinical Demonstrator, regular part-time medical student teaching sessions, Department of Anatomy, Imperial College London, UK	2009-2010
Mentorship and clinical medical student/ intern teaching Addenbrooke's Hospital Cambridge University Hospitals Trust (UK), Royal Free Hospital, London (UK), Guys and St Thomas' Hospitals, London (UK) -Clinical bedside undergraduate teaching -Surgical skills and clinical examination for final year student OSCEs	2008-2011
Mentorship and supervision of medical students in research Mayo Clinic (USA) and University of Cambridge (UK), - Clinical Undergraduate Medical Teaching (UK) - Supervision for clinical research activities, advisor, development of research skills -Mentorship for medical students and international medical graduates	2013- 2021

Clinical

Peer-to-Peer (Residency) teaching & Journal Club presentation, Royal Free Hospital and Guy's & Thomas' Hospitals, London, UK	2008-2011
Basic principles of anatomy and physiology for exercise, Lecture for Fighting Fit UK Instructors training course, London, UK	2010
Management of hand burns and reconstructive surgery, Burns Skills Training Course, Red Cross War Memorial Children's Hospital, Cape Town, S. Africa <i>Commendation for Outstanding Presentation.</i>	2011
Peer (Resident) and Departmental Teaching, Addenbrookes Hospital, Cambridge University Hospitals Trust, Cambridge UK	2012-2014

Journal and Committee Activities

Assistant Editor Breast Section of Plastic Surgery Education Network Editorial Committee	06/14-06/15
Committee member of Reconstructive Surgery Trials Network, UK	08/15-08/17
American Society of Plastic Surgery Research Sub-Committee	09/20- present
American Society of Plastic Surgery Clinical Research Sub-Committee	09/20-present
Associate Editor Frontiers in Surgery Journal	03/22-present
Reviewer	03/2014-present
Aesthetic Surgery Journal, European Journal of Plastic Surgery, PLoS open access Frontiers in Plastic Surgery, Annals of Plastic Surg	

PATIENT SAFETY & QUALITY IMPROVEMENT PROJECTS

Orthopaedic referrals within General Practice: Meeting the targets. Central Surgery, Surrey, UK. Lead Investigator	2005
Thromboprophylaxis to prevent the incidence of pulmonary embolism: Aspirin versus LMWH. Conquest Hospital, East Sussex, UK. Audit Cycle Conducted the data collection and data analysis. Completed.	2006
Audit of upper tract urine cultures in helping to prevent sepsis post-percutaneous nephrothotomy. Guy's Hospital London, UK. Principal Investigator. Assessment of upper tract and mid-stream urine cultures in predicting postoperative	2007

sepsis. Published in Abstract published in Journal of Endourology. November 2008, Vol. 22. Presented at 26th World Congress of Endourology & SWL, Shanghai, China

- Service Improvement audit: Demand of Emergency and Elective procedures in Thoracic Surgery. Guys Hospital, London, UK. Presented at Trust audit meeting. Principal Investigator. This led to provision of an additional half-day theatre list to manage high workload of emergencies and referrals. 2008
- Departmental audit on Sentinel lymph node in melanoma, St Thomas' hospital, London, UK. Presented at UK Consensus Meeting for Cutaneous Melanoma Sentinel Node Biopsy, British Association of Plastic, Reconstructive Surgery and Aesthetic Surgeons, St Thomas' Hospital, London, UK. Principal Investigator. 2009
- Review of excision margins and excision rates and compliance with national guidelines. Skin Cancer departmental audit, St Thomas' Hospital, London, UK. Principle Investigator. 2009
- Audit of documentation on procedure specific radiation dosage of the mini-C arm, Royal Free Hospital, London, uK. Completed audit cycle. Presented at local governance meeting. Lead Investigator. 2010
- Analysis of Urgent GP referrals to London sarcoma service, Royal National Orthopaedic Hospital, London UK. Analysis of current diagnostic pathway, for discussion in view of Healthcare Commission guidance. Presented to London Sarcoma Working Group June 2010. Principle Investigator. Prompted change for additional diagnostic facilities for patients reviewed at MDT 2010
- Audit of preoperative biopsy tract identification prior to biopsy tract excision in bone and soft tissue tumour surgery. Royal National Orthopaedic Hospital, London, UK. Presented at the Trust audit meeting. Lead Investigator. This led to a change in Trust protocol to use India Ink at the time of CT guided biopsy 2010
- Audit of accuracy of burn wound assessment and resuscitation in paediatric burns amongst interns and emergency staff. Red Cross Children's War Memorial Hospital, Cape Town, South Africa. Assessment of accuracy on burn wounds assessment in paediatric burns and instigation of the correct resuscitation. Completion of audit cycle. Development of a burns admissions proforma. Conducted the study design, study, data analysis and presentation of results. 2011
- Annual Free Flap Service Evaluation Audit, Department of Plastic and Reconstructive surgery, Addenbrooke's Hospital, Cambridge University Hospitals NHS Trust., Cambridge, UK. Service evaluation for reconstructive surgery, scope of practice and complications for all free flaps. Lead investigator. Presented at the Regional Audit meeting, Newmarket, April 2013. Re-audited March 2014. Conducted the data collection, analysis, and presentation of results. 2013-2014
- Same Day Discharge Mastectomy with or without reconstruction audit Department of Surgery, Mayo Clinic, Rochester, MN, USA. Designed the study, coordinated the research team and activities, administrative support, led the data 2020-2021

analysis and data collection teams, project management, and lead author on manuscript.

RESEARCH ACTIVITIES

Health Management Research Activities

BSc Thesis : “The value of systems biology to medicine and delivery of healthcare”. 2005
Supervisors Prof. Rifat Atun and Prof R Kitney. Contribution to the Academy of Medicine Sciences and Royal Academy of Engineering publication, “Systems Biology: a vision for engineering and medicine.”.

Research intern. Supervisor: Prof R Atun. 2006-2007
-Involved with meeting summaries, literature review and summary reports for the following publications: Vodafone Policy Papers Series, March 2006. Uses and Benefits of SMS in Healthcare Delivery
- Advancing Economic Growth: Investing in Health. Chatham House Conference June 2005. Transcription and meeting summary

GRANTS

Obaid Grant Award, Mayo Clinic, Rochester USA. Characterization of upper extremity perforators for sub-unit and functional composite tissue allotransplantation. PI: Saint-Cyr M. Co-investigator. Mayo Clinic, Rochester MN, USA. 2/1/14-1/1/15

Restoration of Appearance and Function Trust (RAFT) Charitable Trust Research Fellowship, London,. UK. Salary support. PI: Anita Mohan. Salary Support. 03/2014-06/2016

Department of Surgery Small Projects Grant, Mayo Clinic, Rochester USA. The effect of preconditioned negative pressure wound therapy (NPWT) on the resistance of the pedicle twisting of perforator flap. PI: M Saint-Cyr. Co-investigator. Mayo Clinic, Rochester MN, USA. 12/1/14-12/1/15

Department of Surgery Small Projects Grant, Mayo Clinic, Rochester USA. PI:, M Saint-Cyr. Co-investigator. Assessment of the effect of pre-radiation negative pressure wound therapy on radiation induced skin injury in a rat model. Mayo Clinic, Rochester MN, USA. 12/1/14-12/1/15

Axogen Industry Sponsored Grant. Assessment of DIEP and recipient site neural anatomy and relation to dominant perforators of the anterior abdomen: A cadaveric anatomical study. PI: Mardini S, Saint-Cyr M. Co-Investigator. Mayo Clinic, Rochester MN, USA. 1/1/15-1/1/16.

Obaid Grant Award, Mayo Clinic, Rochester USA. Adipose Derived Stem Cells and Negative Pressure Therapy in Flap Preconditioning. PI: Saint-Cyr M. Co-investigator. Mayo Clinic, Rochester MN, USA. 2/1/15-12/1/15

Novadaq Technologies (Vancouver CA) Travelling Bursary. 06/15

Endowment for Education Research Award (EERA) Advancing microsurgical skills in resident fellow training: simulation versus translation to the Operating Room (OR). PI: Samir Mardini. Co-Investigator. Mayo Clinic, Rochester MN, USA. 1/1/16-1/1/17.

Mayo Foundation's Connect Design Enable (CoDE) Innovation Funding. Musculoskeletal Health Risk Mitigation Among Surgeons Performing Microsurgery: User-centered Development of an Ergonomic Armrest. PI: Susan Hallbeck. Co-investigator. Mayo Clinic, Rochester, MN. 7/1/16-7/1/17

CDC T42 Microsurgery Exposure Assessment and Intervention to Improve Musculoskeletal Health. OH08434-11. NIOSH grant. PI: Susan Hallbeck. Co-Investigator. Mayo Clinic, Rochester, MN. 8/1/17-8/1/19

Virtual Reality and Systems Modeling to Analyze Surgical Workflows in the Operating Room. Advance to Practice Research Award. Mayo Clinic. Principal Investigator. Mayo Clinic, Rochester, MN. 8/1/19-8/1/20

Hemifacial Composite Allotransplantation Model for Nerve Regeneration Assessment. Plastic Surgery Foundation National Endowment. PI: Samir Mardini. Role: Co-Investigator. Mayo Clinic, Rochester, MN. 7/1/1-7/1/20.

IRB/IACUC PROTOCOLS

- 13-000174 The ascending branch of the lateral circumflex femoral artery: anatomic study for a design of a new flap in breast reconstruction. PI: M Saint-Cyr. *co-investigator, image review, data collection. June 2016*
- 13-007754 Comparative study of liposomal bupivacaine and paravertebral block for pain control following mastectomy with immediate implant based breast reconstruction. PI: M Saint-Cyr. *Co-investigator, data collection, manuscript review. June 2016*
- 13-009849 Use of Inferior Dermal Flap VS. Acellular Dermal Matrix In Immediate Breast Reconstruction. PI: M Saint-Cyr. *Co-investigator, data collection, primary lead on manuscript writing, data analysis. June 2014*
- 14-000291 Outcomes of reconstruction after thigh soft tissue sarcoma resection. PI: M Saint-Cyr. Co-Investigator *Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2016*
- 14-000791 Patient Specific Polyetheretherketone (PEEK) Implants for Repair of Craniofacial Defect. PI: Samir Mardini. Co-investigator. *Data review. Active Jan 2023*
- 14-002864 Outcomes of Keystone Perforator flaps in oncological and trauma reconstruction. PI: M Saint-Cyr. Co-Investigator *Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2016*

- 14-003174 Single medial versus lateral row perforator and repercussions in perfusion in DIEP flap breast reconstruction. PI: M Saint-Cyr. Co-Investigator *Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2018*
- 14-007640 Single Surgeon's experience on face lift at Mayo Clinic. PI: S Jacobson. *Co-investigator Manuscript review June 2014*
- 14-007967 Fat Grafting Assisted Postmastectomy Breast Reconstruction: Optimizing Outcomes in Both Prostheses and Autologous Reconstruction. PI: M Saint-Cyr. *Co-Investigator, Study design and development, Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2016*
- 14-008567 Comparative study of immediate breast reconstruction using tissue expanders placed sub- muscularly vs. subcutaneously. A retrospective review. PI: M Saint-Cyr. *Co-Investigator, Study design and development, Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2018*
- 15-004601 Comparison of Subcutaneous versus Submuscular Expander Placement in the First Stage of Two-Stage Immediate Breast Reconstruction. PI: M Saint-Cyr. *Co-Investigator, Study design and development, Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2016*
- A57512 Swine hemi-facial auto transplantation: A model to study functional recovery. PI: S Mardini. *Co-Investigator Study design and development, Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. Active Jan 2023*
- A57312 Assessment of the vascularization of a Gluteal Artery Perforator flap after preconditioning negative pressure therapy in rat model. PI: M Saint-Cyr. *Co-Investigator, Study design and development, Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. June 2018*
- FP00103650 Virtual Reality and Systems Modelling to Analyze Surgical Workflows in the Operating Room. PI: A Mohan. June 2016
- 19004270 A review of esophageal reconstruction patients. PI: S Blackmon. *Co-investigator, Data collection, data analysis, conduct of study, manuscript writing, manuscript revision. Active Jan 2023*

BIBLIOGRAPHY

Peer-Reviewed Original Research Publications

1. [Mohan AT](#), Jalgaonkar A, Park D, Alorjani M, Aston W, Briggs TW. Intra-neural Ewing's sarcoma of the upper limb mimicking a peripheral nerve tumour. A report of 2 cases. *J Plast Reconstr Aesthet Surg.* June 2011;64(6):e153-6. PMID 21330228

2. Mohan AT, Jalgaonkar A, Briggs TW. Intra-osseous xanthoma of the hand without an underlying lipid disorder. *European J Hand Surgery*. July 2011 36;6:521-52. DOI: 10.1177/1753193411409316
3. Mohan AT, Carton J, O'Toole G. Primary synovial chondromatosis: an unusual presentation for mono-articular joint swelling in the hand. *Eur J Plast Surg*. 2013;36:3: 203-205 (*Epub Dec 2011*). DOI: 10.1007/s00238-011-0669-8
4. Jalgaonkar A, Mohan AT, Tirabosco R, Briggs TW. Deep soft tissue leiomyoma mimicking fibromatosis in a 5 year old: case report and review of literature. *J Foot and Ankle Surgery*, Jan-Feb 2012; 51:110-3. PMID 22078158
5. Mughal M, Mohan AT, Branford OA, Dewar D. Securing fingertip dressings: The new 'cinch pink' technique. *J Plast Reconstr Aesthet Surg*. Jun 2012; 65(6):e167-8. PMID 22240246
6. Mohan AT, Branford.OA. iGuide to Plastic Surgery: iPhone apps, the plastic surgeon and the healthcare environment. *Aesthetic Surgery Journal*. July 2012; 32:653-8. doi: 10.1177/1090820X12448815.
7. Jalgaonkar A, Dawson-Bowling S, Mohan AT, Spiegelberg B, Saifuddin A, Pollock R, Skinner JA, Briggs TW, Aston W. Identification of the biopsy track in musculoskeletal tumour surgery: A novel technique using India ink. *Bone Joint J*. Feb 2013; 95 (2):250-3. PMID 23365037
8. Mohan AT, Ajam Y, Mosahebi A. Trends in tertiary breast reconstruction: literature review and single centre experience. *Breast* April 2013; 22 (2):173-178. PMID 22795362
9. Popat R, Mohan AT, Branford OA. Current smartphone uses and Apps in Orthopaedic Surgery. *BJHM. J Hosp Med (Lond)*. Dec 2013; 74 (12):672-6. PMID 24326713
10. Mohan AT, Patel NG, Malata CM. Combination of the superior and inferior pedicle "continuities" for anastomosis of an SIEA flap to a contralateral DIEP flap in double- pedicled abdominal free flaps: A further modification of the Hamdi classification. *J Plast Recons Aesthet Surg*. Oct 2014;67 (10):e237-9. PMID 25047701
11. Chim H, Yang Z, Carlsen BT, Mohan AT, Saint-Cyr M. Soft Tissue Coverage of the Upper Extremity: An Overview. *Hand Clinics*. *Hand Clin*. Nov 2014;30 (4):459-73. PMID 25440074.
12. Chim H, Yang Z, Carlsen BT, Mohan AT, Saint-Cyr M. Hand Flaps. *Hand Clin*. Nov 2014;30 (4):487-99. PMID 25440077
13. Mohan AT, Malata CM. Post-radiation tracheoesophageal fistula following salvage laryngectomy: Microsurgical repair using a "bi-laminar" lateral arm flap. Case report. *Eur J Plast Surg*. Dec 2014;37 (12):683-686
14. Al-Ajam Y, Marsh DJ, Mohan AT, Hamilton S. Assessing the augmented breast: a blinded study comparing round and anatomical form-stable implants. *Aesthet Surg J*. Mar 2015;35 (3):273-8. PMID 25805281
15. Mohan AT, Saint-Cyr M. Anatomic and physiological fundamentals for autologous breast reconstruction. *Gland Surg*. Apr 2015;4 (2):116-33. PMID 26005644

16. Mohan AT, Adams S, Adams K, Hudson DA. Intralesional bleomycin injection in management of low flow vascular malformations in children. *J Plast Surg Hand Surg*. April 2015;49(2):116-20. PMID 25204206
17. Mohan AT, Rammos CK, Gaba P, Schubach J, Goede WJ, Ballman K, Batdorf N, Cheng A, Saint-Cyr M. Modified aesthetic abdominoplasty approach in perforator free-flap breast reconstruction: Impact of drain free donor site on patient outcomes. *J Plast Reconstr Aesthet Surg*. 2015 Jun;68(6):800-9. PMID 25843908
18. Mohan AT, Saint-Cyr M. Tertiary Breast reconstruction: Maximizing pure autologous LD reconstruction. Case Report, Plastic Surgery Education Network, American Society of Plastic Surgery, Online education publication. <http://www.plasticsurgery.org/psen.html>. June 2015 No longer available online.
19. Zhu L, Mohan AT, Saint-Cyr M. A Simple Approach to Harvest of the Pedicled Descending Branch Muscle-Sparing Latissimus Dorsi Flap. 2015. *J Plast Reconstr Aesthet Surg*. 2015 Nov;68(11):e179-81. doi: 10.1016/j.bjps.2015.07.009.
20. Rammos CK, Mohan AT, Maricevich MA, Maricevich RL, Adair MJ, Jacobson S. Is the SMAS Flap Facelift Safe? A comparison of complications between the sub-SMAS approach versus the subcutaneous approach with or without SMAS plication in aesthetic rhytidectomy at an academic institution. *Aesthetic Plast Surg*. 2015 Dec;39(6):870-6. doi: 10.1007/s00266-015-0558-99
21. Mohan AT, Sur YS, Zhu L, Wu P, Morsy M, Mardini S, Moran S, Saint-Cyr M. The Concepts of Propeller, Perforator, Keystone and Other Local Flaps and Their Role in the Evolution of Reconstruction. *Plast Reconstr Surg Journal*. 2016;138:710-29. PMID: 27673542
22. Tan HB, Mohan AT, Coonar AS, Malata CM. Creative use of contralateral combined myocutaneous free flap for empyema cavity. *Annals Thoracic Surgery*. 2016 Jan;101(1):e1-3. doi: 10.1016/j.athoracsur.2015.06.106.
23. Sur YJ, Morsy M, Mohan AT, Zhu L, Lachman N, Saint-Cyr M. The first perforating branch of the deep femoral artery - a reliable recipient vessel for vascularized fibular grafts: An anatomical study. *J Plast Reconstr Aesthet Surg*. 2016;69:351-8. doi: 10.1016/j.bjps.2015.10.024.
24. Zhu L, Mohan AT, Vijayasekaran A, Hou C, Sur YJ, Morsy M, Saint-Cyr M. Response to Comments on 'Maximizing the Volume of Latissimus Dorsi Flap in Autologous Breast Reconstruction with Simultaneous Multisite Fat Grafting'. *Aesthet Surg J*. 2016;36:NP239-41. doi: 10.1093/asj/sjw071. **Participation in data collection, manuscript writing, manuscript revisions and video editing.*
25. Mohan AT, Saint-Cyr M. Advances in Imaging Technologies for Planning Breast Reconstruction. *Gland Surg*. 2016;5:242-54. doi: 10.3978/j.issn.2227-684X.2016.01.03.
26. Sur YS, Morsy M, Mohan AT, Zhu L, Michalak GJ, Lachman N, Laungani AT, Alphen NV, Saint-Cyr M. Three-dimensional computed tomographic angiographic study of the inter-perforator flow of the lower leg. *Plast Reconstr Surg*: 2016;137:1615-28. **Participation in the conduct of the study and developing anatomical injection techniques and imaging protocols, manuscript preparation and revisions.*
27. Zhu L, Mohan AT, Vijayasekaran A, Sur YJ, Morsy M, Saint-Cyr M. Maximizing the Volume of Latissimus Dorsi Flap in Autologous Breast Reconstruction with Simultaneous Multisite Fat Grafting. *Aesthet Surg J*. 2016 Feb;36(2):169-78. doi: 10.1093/asj/sjv173

28. Abdelsattar JM, Boughey JC, Fahy AS, Jakub JW, Farley DR, Hieken TJ, Degnim AC, Goede W, Mohan AT, Harmsen S, Niesen AD, Tran NV, Bakri K, Jacobson SR, Lemaine V, Saint-Cyr M. Comparative study of liposomal bupivacaine versus paravertebral block for pain control following mastectomy with immediate tissue expander reconstruction. *Annals of Surgical Oncology*. 2016 Feb;23(2):465-70. doi: 10.1245/s10434-015-4833-4
29. Zhu L, Mohan AT, Abdelsattar JM, Wang Z, Vijayasekaran A, Hwang S, Tran NV, Saint-Cyr M. Comparison of subcutaneous versus submuscular expander placement in the first stage of immediate breast reconstruction. *J Plast Reconstr Surg*. 2016 Apr;69(4):e77-86. doi: 10.1016/j.bjps.2016.01.006. **Participation in data collection, manuscript revision and preparation, data analysis.*
30. Mohan AT, Rammos CR, Akhavan A, Martinez-Jorge J, Wu P, Moran S, Behan F, Mardini S, Sim F, Saint-Cyr M. Evolving Concepts of Keystone Perforator Flap: Principles of Perforator Anatomy, Design Modifications and Extended Clinical Applications. *Plast Reconstr Surg* 2016 Jun;137(6):1909-1920. doi: 10.1097/PRS.0000000000002228.
31. Mohan AT, Zhu L, Wang Z, Vijayasekaran A, Saint-Cyr M. Techniques and Perforator Selection in Single Dominant DIEP breast reconstruction: Algorithmic approach to maximize efficiency and safety has been built and requires approval. *Plast Reconstr Surg*. 2016 Nov;138(5):790e-803e. doi: 10.1097/PRS.0000000000002716.
32. Amin K, Mohan AT. Reconstructive Microsurgery: The Future is Today. *Ann Plast Surg*. 2017; 78(1):5-6. DOI: 10.1097/SAP.0000000000000824.
33. Saint-Cyr M, Mohan AT*, Sur YJ, Zhu L, Morsy M, Wu PS, Moran SL, Mardini S. Reply: The Concepts of Propeller, Perforator, Keystone, and Other Local Flaps and Their Role in the Evolution of Reconstruction. *Plast Reconstr Surg*. 2017;139:1220e-1221e. doi: 10.1097/PRS.0000000000003324. **Participation in writing and review.*
34. Mohan AT, Zhu L, Sur YJ, Morsy M, Michalak GJ, Lachman N, Rammos CK, Saint-Cyr M. Application of Posterior Thigh 3D Profunda Artery Perforator (PAP) Perforasomes in Refining Next Generation Flap Designs: T-PAP, V-PAP, S-PAP. *Plast Recon Surg*. 2017:139834-45. doi: 10.1097/PRS.0000000000003224.
35. Laungani AT, Christner J, Primus JA, Lachman N, Ballman KV, Mohan A*, Saint-Cyr M. Study of the impact of the Location of a Perforator in the Perfusion of a Perforator Flap: The Concept of "Angle of Perfusion". *J Reconstr Microsurg*. 2017 Jan;33(1):49-58. doi: 10.1055/s-0036-1588017. **Participation in manuscript preparation and revisions.*
36. Vijayasekaran A, Mohan AT*, Zhu L, Sharaf B, Saint-Cyr M. Anastomosis of the superficial inferior epigastric vein to the internal mammary vein to augment deep inferior artery perforator flaps. *Clinics in Plastic Surgery*. *Clin Plast Surg* 2017 Apr; 44 (2):361-369 **Participation in manuscript preparation and revisions.*
37. Tomouk T, Mohan AT*, Azizi A, Conci E, Brickley EB, Malata CM. Donor site morbidity in DIEP free flap breast reconstructions: A comparison of unilateral, bilateral and bipedicle surgical procedure types. *J Plast Recon Surg*. 2017 Nov;70(11):1505-1513. doi: 10.1016/j.bjps.2017.05.044. **Developed concept and design of study, review and preparation of data analysis, manuscript revision, supervision of medical students (first and second authors) and research mentorship to prepare manuscript*
38. Abdelrahman AM, Lowndes BR, Mohan AT*, Noland SS, Finnie DM, Lemaine V, Hallbeck MS. Surgeon's Perspective on Interventional Designs for Armrest Device for Microsurgery. *Proceedings of the Human Factors*

and Ergonomics Society 2018;62:1047-1051. DOI <https://doi.org/10.1177/1541931218621241>. **Participated in concept and design of study, conduct of study, manuscript preparation.*

39. Vyas, K. S., Mohan, AT*, Morrison, S. D., Tran, D. C., Mardini, S. Cell-Based Therapies in Vascularized Composite Allotransplantation. *J Reconstr Microsurg.* 2018 Oct;34(8):642-650. doi: 10.1055/s-0038-1661336. **Manuscript preparation and revisions*
40. Mohan AT, Zhu L, Morsy M, Sur YJ, Michalak GJ, Lachman N, Mardini S, Saint-Cyr M. Re-appraisal of Perforasomes of the Superficial Femoral Artery, Descending Genicular and Saphenous Artery and Clinical Applications to Loco-Regional Reconstruction. *Plast Recon Surg* 2019 Mar;143(3):613e-627e. doi: 10.1097/PRS.0000000000005395.
41. Elswick SM, Wu P, Arkhavan AA, Molinar VE, Mohan AT*, Sim FH, Martinez-Jorge J, Saint-Cyr M. A reconstructive algorithm after thigh soft tissue sarcoma resection including predictors of free flap reconstruction. *J Plast Reconstr Aesthet Surg.* 2019 Aug;72(8):1304-1315. doi: 10.1016/j.bjps.2019.04.016. **Collection of data and building of database, revision of manuscript, analysis of data.*
42. Azizi A, Tomouk T, Mohan AT*, Brickley E, Conci E, Malata CM. Procedure type, post-operative pain, recovery and clinical outcomes in DIEP flap breast reconstruction. *Archives of Plastic Surgery.* 2020; 47 (4) 324-33. doi.org/10.5999/aps.2019.01417 **Developed concept and design of study, review and preparation of data analysis, manuscript revision, supervision of medical students (first and second authors) and research mentorship to prepare manuscript.*
43. Kreutz-Rodrigues L, Mohan AT*, Moran SL, Carlsen BT, Mardini S, Rise P, Bakri K. Extremity Free-Flap for Reconstruction of Massive Oncologic Resection – Surgical Technique and Outcomes. *Accepted to J of Surgical Oncology.* 2020 Mar;121(3):465-473. doi: 10.1002/jso.25795. **Participated in manuscript preparation and revisions.*
44. Elswick SM, Curiel DA, Wu P, Arkhavan A, Molinar V, Mohan AT*, Sim FH, Martinez-Jorge J, Saint-Cyr MH. Complications after thigh sarcoma resection. *J of Surg Oncol* 2020 May;121(6):945-951. <https://doi.org/10.1002/jso.25830>. **Collection of data and building of database, revision of manuscript, analysis of data.*
45. Mohan AT, Kapa S. Improving Reality Virtually: Advent of the Virtual “Digi-ceutical”. *Mayo Clinic Proceedings,* 2020 Jun;95(6):1097-1098. doi: 10.1016/j.mayocp.2020.04.020.
46. Manrique OJ, Bustos SS, Mohan AT*, Nguyen MD, Martinez-Jorge M, Forte AJ, Terzic A. Robotic-Assisted DIEP Flap Harvest for Autologous Breast Reconstruction: A Comparative Feasibility Study on a Cadaveric Model. *J Reconstr Microsurg.* 2020 Jun;36(5):362-368. doi: 10.1055/s-0040-1701666. **Participated in practical aspects of study, revision of manuscript.*
47. Mohan AT, Vyas KS, Asaad M, Khajuria A. Plastic Surgery Lockdown Learning During Covid-19: Are Adaptations in Education Here to Stay?. *Plast Recon Surg Glob Open* 2020 Jul 10;8(7):e3064. doi: 10.1097/GOX.0000000000003064.
48. Mohan AT, Zhu L, Michalak GJ, Laungani AT, Vercnocke A, Moran SL, Saint-Cyr M. Impact of Preconditioning with Foam-Mediated External Suction on Flap Microvasculature and Perfusion: An Experimental Model. *Plast Reconstr Surg Glob Open* 2020 Aug 18;8(8):e2739. doi: 10.1097/GOX.0000000000002739.

49. Mohan AT, Zhu L, Vijayasekaran A, Saint-Cyr M. Autologous Breast Reconstruction in Low BMI Patients: Strategies for Maximizing Skin Envelope and Breast Volume. *Clin Plast Surg* 2020 Oct;47(4):611-619.doi: 10.1016/j.cps.2020.07.001.
50. Mohan AT, Saint-Cyr M. Advances in Reconstructive Microsurgery: An Update. *Clin Plast Surg* 2020 Oct;47(4):663-677
51. Atezana LA, Mohan AT*, Bite U. Presentation of Calcinosis Cutis 35 years after Silicone Nasal Implant Reconstruction. *BMJ Case Reports CP* 2021;14:e239766. **Supervision of medical student, drafting and revision of manuscript.*
52. Mohan AT, Suchyta M, Vyas K, Saint-Cyr M. An Anatomical and Histological Study of Intercostal Nerves for Optimal Recipient Site Selection in Autologous Breast Reconstruction. *J Reconstruct Microsurgery*, 2021 Feb;37(2):136-142. doi: 10.1055/s-0040-1715878.
53. Mohan AT, Hudson DA. Intralesional Bleomycin Injection in Management of Localized Venous Problems in children with Klippel Trenaunay Syndrome. *Plast Recon Surg* 2021 May 1;147(5):918e-919e.
54. Mohan AT. et al. Resident Diversity Across Surgical Specialties: A 21 Year Study At A Single Academic Medical Institution and Comparison with National Trends. *Annals of Surgery Open*: December 2021 - Volume 2 - Issue 4 - p e100 doi: 10.1097/AS9.000000000000100
55. Mohan AT. Abdelrahman AA, Anding WJ, Lowndes BR, Blocker RC, Hallbeck MS, Bakri K, Moran SL, Mardini S. The Impact of Basic Microsurgical Skills Training Course on Trainee Confidence and Workload. *J Plast Reconstr Aesthet Surg*. 2022 Feb 19:S1748-6815(22)00075-4. doi: 10.1016/j.bjps.2022.02.004.
56. Mohan AT. Harless C, Martinez J, Manrique O, Hallbeck MS, Nguyen MD. "An Analysis of Surgeon Perceived Workload for Elective Plastic Surgery Breast Procedures" - *E-Plasty August 2022 Accepted.*
57. Mohan AT, Mahajan N, Mardini S, Blackmon S. Patient reported outcomes and refinements in Supercharged Pedicled Jejuna Esophageal Reconstruction. *In Press- Annals of thoracic surgery*. *Ann Thorac Surg* 2023 Jan;115(1):210-219.
58. Mohan AT, Mardini S, Blackmon S. Supercharged Jejunal Interposition. *Thoracic Clinics*. *Thorac Surg Clin* 2022 Nov;32(4):529-540.
59. Mohan AT, MacArthur R, Murphy B, Song A, Jakub J, Degnim A, Harmsen WS, Martinez-Jorge J, Vijayasekaran A. Patient experience and clinical outcomes following same day outpatient mastectomy and immediate breast reconstruction during the pandemic. *In review Plast Recon Surg* 2023.
60. Mohan AT, Titan A, Tokuyama M, Bean G, Lee G. Radiation-Induced Morphea of the Breast Treated with Wide Local Excision and Abdominal Free Flap Breast Reconstruction. *In review, E-Plasty journal*, 2023.
61. Cevallos P, Berry C, Lipman K, Kubiak CA, Mohan AT, Ayyala HS, Manrique OJ, Nazerali R. Breast reconstruction after mastectomy in patients with obesity: a narrative review. *Annals of Translational Medicine*, 2023. doi: 10.21037/atm-23-1599

Peer-Reviewed Original Research Publications Submitted or In Press

1. Wzientek C, Manor G, Well M, Morris J, Collins J, Mardini S, Gibreel W, Mohan AT, Dozois E, Maixner K, Schaller M, Blackmon SH. Novel Three dimensional angiographic modeling for complex esophageal reconstructive planning. *In Review- Annals of Thoracic Surgery*.
2. Mohan AT, Suchyta M, Vyas KS, Amer H, Mardini S. Facial Transplantation: A Journey in Restorative Surgery. Reconstructive Transplantation, Eds Gurunian/Rampazzo/Papay/Bassiri Gharb, Springer. *In Press May 2022*
3. Mullen BL, Salinas C, Mohan AT, Vijayasekaran A, Harless C, Martinez-Jorge, J. Predictors of prophylactic donor mesh site application in muscle sparing rectus abdominis and deep inferior epigastric perforator flaps. *In review. Submitted to Plast Reconstr Surg*.
4. Hebel N, Mohan AT, Emanuels A, Bite U. Fasciocutaneous Flaps and Tissue Expanders for Abdominal Wall reconstruction in the surgical separation of conjoined twins. *In Review. Submitted to J Plast Recon Aest Surg*

Book Chapters

1. Mohan AT, Al-ajam Y, Kang N. Osseointegrated implants in Plastic Surgery. (e-learning for Plastic, Reconstructive and Aesthetic Surgery) [online]. Available at <http://www.e-lfh.org.uk/projects/e-lpras>. 2013.
2. Erel E, Mohan AT, Malata CM. Double-pedicled Abdominal Free Flaps Utilising the Superior Continuity of the DIEP Vascular Pedicle in Unilateral Breast Reconstruction: Case reports and Discussion/ Review of Novel Additions to Hamdi's type II DIEA/SIEA bipedicled flaps. In Shiffman MA (editor), Breast Reconstruction. Springer, Berlin 2014.
3. Johnson C, Mohan AT, Zhu L, Saint-Cyr M. The Pedicled Descending Branch Muscle- Sparing Latissimus Dorsi Flap for Breast Reconstruction. Chapter 16. Grabb's Encyclopedia of Flaps, 4th Edition, edited by Strauch B, Vasconez L, Lee B, and Herman C, Wolters Luer Health. 2014.
4. Reusche R, Mohan AT, Saint-Cyr M. Extended Transverse Upper Gracilis Flap in Breast Reconstruction. Chapter 22. . Grabb's Encyclopedia of Flaps, 4th Edition, edited by Strauch B, Vasconez L, Lee B, and Herman C. Wolters Luer Health, 2014.
5. Al-Ajam Y, Mohan AT, Saint-Cyr M. Principles of surgical treatment of chronic lymphedema. Chapter 64, 4th Edition Handbook of Venous Disorders. Guidelines of the American Venous Forum. Gloviczki P (editor). CRC Press, 2015. **Participated in manuscript preparation, revisions and submission.*
6. Mohan AT, Wong C, Saint-Cyr M. The Transverse Upper Gracilis Flap for Breast Reconstruction Following Liposuction of the Thigh. In Shiffman MA (editor), Second Edition of Liposuction. Springer, Berlin 2015
7. Mohan AT, Morsy M, Saint-Cyr M. Propeller flaps and Keystone Flaps in the Lower Extremity. Master Techniques in Orthopaedic Surgery: Soft Tissue Surgery. Eds. S Moran, A Sems. Second edition, Wolters Kluwer. 2016

8. Mohan AT, Saint-Cyr M. Anatomic and Physiological Fundamentals For Autologous Breast. Reconstruction. Reconstructive Surgery In Breast Cancer. First Edition, Eds Jiong Wu, Peirong Yu. AME Publishing Group, 2016
9. Mohan AT, Falola R, Saint-Cyr M. Profunda Artery Perforator Flaps. Spear's Surgery of the Breast 4th Edition. Ed(s) Gabriel, Nahabedian, Maxwell, Storm. Wolters Kluwer, 2020.p794-800.
10. Mohan AT, Falola R, Saint-Cyr M. Transverse Upper Gracilis Flaps. Spear's Surgery of the Breast 4th Edition.. Ed(s) Gabriel, Nahabedian, Maxwell, Storm. Wolters Kluwer, 2020. p801-810.
11. Mohan AT, Tran NV, Bite U. Fasciocutaneous Flaps and Tissue Expansion in Abdominal Wall Reconstruction. Hernia Surgery. 2021. Ed Novitky. Wolters Kluwer. *In Press 2022*
12. Kubiak C, Mohan AT, Lee G. Scapular Flap. Atlas in Reconstructive Microsurgery.Eds J Sacks, B Lee. *In Press 2023*

Other Publications

1. Vodafone Policy Papers Series 4, March 2006. Uses and Benefits of SMS in Healthcare Delivery. Rifat A. Atun, Director, Soalen R. Sittampalam Research Associate, Anita Mohan Research Intern. Centre of Health Management, Tanaka Business School. Imperial College London, UK

Published Abstracts

1. Kastner C, Nuttall MN, Mohan AT, Brewin J Popert R. A Modified Template Transperineal Prostate Biopsy Technique - Can Side Effects be Reduced and High Cancer Detection Rates Maintained? BJUI May 2008;101(45): p20
2. Mohan AT, Dasgupta R. Does upper tract urine culture help to prevent sepsis post-percutaneous nephro-lithotomy? Journal of Endourology.Nov 2008;22 (s1): P9-P68
3. Mohan AT, Balfour A, Simo R. A Large Skull Base tumour with Acute Urinary Retention. Proceedings of the 138th Semon Club, The Journal of Laryngology & Otology, Feb 2011;125 (2), e1-8.
<http://dx.doi.org/10.1017/S0022215110002458>
4. Jalgaonkar A, Mohan AT, Pollock R, Skinner J, Cannon S, Briggs TW, Aston W. Preoperative biopsy tract identification using india ink skin tattooing in tumour surgery. J Bone Joint Surg Br 2012;94 (B): p321.Supplement XXXVII
5. Jalgaonkar A, Mohan AT, Park D, Dawson-Bowling S, Aston W, Cannon S, Skinner J, Briggs TW. Mass endoprosthesis replacement for Forearm tumours: Our Experience at Stanmore. Bone Joint Journal Orthopaedic Proceedings; June 2012;94 (B):p103
6. Mohan AT, Adams S, Hudson D. A prospective Study of Intra-lesional Bleomycin Injection for the Management of Low Flow Vascular Malformations. Plast Reconstr Surg J. Aug 2012;130(2S):493

7. Dhinsa B, Gallagher K, Dawson-Bowling S, Mohan AT, Miles J, Carrington R, Skinner J, Briggs TW. Can immediate post-operative radiographs predict clinical outcome at 5 years following total hip and knee arthroplasty? *Bone Joint J.* 2013 95-B:(S1):31
8. Mohan A, Tomouk T, Fopp L, Malata CM. Lessons learned from revision cosmetic breast Implant surgery: motivation, trends and a practical approach. *J Plast Reconstr Aesth Surg J.* Nov 2014;67 (11):1606.
9. Mohan AT, Rammos C, Gaba P, Schupbach J, Saint-Cyr M. Impact of drain free donor site closure on patient outcomes in DIEP breast reconstruction. *British Journal of Surgery.* Apr 2015;102 (s5):3-52
10. Mohan AT, Hwang S, Laungani AT, Zhu L, Bishop A, Saint-Cyr M. The impact of negative pressure therapy to enhance vascularity and wound healing in perforator flap preconditioning: an experimental rat model. *British Journal of Surgery.* Apr 2015;102 (s5):3-52
11. Mohan AT, Akhavan A, Martinez-Jorge J, Wu P, Moran S, Saint-Cyr M. Strategies in oncological reconstruction: modification to the keystone perforator flap concept in sarcoma reconstruction. *British Journal of Surgery.* Apr 2015;102 (s5):53-56
12. Abdelsattar JM; Boughey JC; Mohan AT; Fahy AS; Goede WJ; Gaba P; Tran B; Harmsen WS; Jankowski CJ; Jakub JW; Hieken TJ; Degnim AC; Farley DR; Bakri K; Jacobson SR; Lemaine V; Maricevich RL; Saint-Cyr M. Abstract 68: Comparative Study of Liposomal Bupivacaine versus Paravertebral Block for Pain Control Following Mastectomy with Immediate Tissue Expander Reconstruction. *Plast Reconstr Surg* May 2015; 135(5S Suppl):54.
13. Mohan AT, Zhu L, Rammos CK, Michalak G, Lachman N, Moran S, Saint-Cyr M. Abstract 165: Profunda Artery Perforator Flap Perforasome Territories: Implications of Vascular Anatomy for Optimal Flap Design in Reconstructive Microsurgery. *Plast Reconstr Surg* May 2015;135 (5S):116.
14. Mohan AT, Zhu L, Mardini S, Moran S, Saint-Cyr M. Abstract 166: Appraisal Of Perforasomes And Venosomes Of Perforators In Bilateral DIEP Breast Reconstruction Using Updated SpyQ Analysis. *Plast Reconstr Surg* May 2015;135 (5S):116-117.
15. Vijayasekaran A, Zhu L, Mohan AT, Saint-Cyr M. Maximizing the Volume of Extended Latissimus Dorsi Flap for Autologous Breast Reconstruction with Immediate Fat Grafting and Thoracoabdominal Advancement Flap. *Ann Plast Surg* June 2015;73 (S3) S173-188
16. Tomouk T, Mohan AT, Azizi A, Brickely E, Conci E, Malata CM. Diep free flap breast reconstruction: Review of impact of surgical procedure on donor site morbidity. *British Journal of Surgery.* Volume 103, Issue Supplement_3, April 2016, Pages 50–53, <https://doi.org/10.1002/bjs.10156>
17. Azizi A, Tomouk T, Mohan AT, Brickley E, Conci E, Malata CM. Procedure type, post-operative pain, recovery and clinical outcomes in DIEP flap breast reconstruction. *British Journal of Surgery.* Volume 103, Issue Supplement_3, April 2016, Pages 50–53, <https://doi.org/10.1002/bjs.10156>
18. Mohan AT, Hwang SM, Zhu L, Gaba P, Brickley E, Abdelsattar JM, Reusche R, Tran NV, Saint-Cyr M. Adioofascial Flap Versus ADM: An intraoperative selection algorithm for Implant Coverage in Immediate Breast Reconstruction. *Plast Reconstr Surg Glob Open.* 2016 Sep; 4(9 Suppl):93.

19. Mohan AT, Suchyta M, Akdag O, Zhu L, Lachman N, Mardini S, Saint-Cyr M. An Anatomical and Histological Intercostal Nerve Study to Determine Optimal Recipient Site for Sensory Reinnervation in Autologous Breast Reconstruction. *Plast Reconstr Surg Glob Open*. 2016 Sep; 4(9 Suppl):172-73
20. Mohan AT, Suchyta M, Sharaf B, Bakri K, Alsubaie S, Michalak G, Mardini S. Vascular Anatomy of Facial Units for Vascularized Composite Tissue Transplantation Design in a Large Animal Model: An in-Vivo and Radiological Study. *Plast Reconstr Surg Glob Open*. 2016 Sep; 4(9 Suppl):53
21. Mohan AT, Hwang SM, Zhu L, Michalak G, Laungani AT, Vernocke A, Anderson JL, Grande J, Bishop A, Moran SL, Saint-Cyr M. Radiological and Histological Assessment in Perforator Flap Microvasculature Following Pretreatment with Topical Negative Pressure Therapy: An Experimental Rat Model. *Plast Reconstr Surg Glob Open*. 2016 Sep; 4(9 Suppl):56-57
22. Abdelrahman AM., Lowndes BR, Mohan AT, Noland SS, Finnie DM, Lemaine V, Hallbeck MS. Surgeon's Perspectives on User-Designed Prototypes of Microsurgery Armrests. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 2016:62, 1047-1051. DOI: 10.1177/1541931218621241
23. Azizi AA, Mohan AT, Tomouk T, Brickley EB, Malata CM. Does surgical procedure type impact postoperative pain and recovery in deep inferior epigastric artery perforator (DIEP) flap breast reconstruction? *Eur Surg Res* 2018;**59**(suppl 1): 18-19; DOI: 10.1159/000494706.
24. Mohan AT, Michalak G, Lachman N, Mardini S, Moran SL, Saint-Cyr M. Refinements in Microcirculation of the Deep and Superficial Venous Territories and Contribution of the Dermal Plexus in DIEP Flap Reconstruction: An Anatomical Study. *PRS Glob Open*. 2018;6: 246-237.
25. Mohan AT, Sabbagh D, Moran SL, Mardini S, Saint-Cyr M. Novel Assessment of Intraoperative Venous Outflow with Laser Assisted Indocyanine Green Angiography in Bilateral DIEP Breast Reconstruction. *PRS Glob Open*. 2018;6: 234.

ORAL PRESENTATIONS

International

1. Mohan AT, Healy C. Audit presentation. UK Consensus Meeting for Cutaneous Melanoma Sentinel Node Biopsy, British Association of Plastic Reconstructive Surgery and Aesthetic Surgeons, St Thomas' Hospital, London, UK. 07/2009
2. Mohan AT, Jalgaonkar A, Park D, Aston W, Tirabosco R. Intra-neural Ewing's sarcoma in upper limb peripheral nerves. A rare differential diagnosis of elbow pain. Plastic surgery section, Royal Society of Medicine, London, UK 07/2009
3. Mohan AT, Balfour A, Simo R. A Large Skull Base Tumour with Acute Urinary Retention. 138th Semon Club Otolaryngology, Guy's Hospital, London, UK 09/2009

4. Mohan AT, TW Briggs. Review of outcomes in total sacrectomy procedures. The Stanmore experience. St Mark's Management of Complex Colorectal Cancer. St Mark's hospital, London, UK 03/2010
5. Jalgaonkar A, Mohan AT, Aston W, Cannon S, Briggs TW. Mass endoprosthesis replacement for Forearm tumours: Our Experience at Stanmore. International Society for Technology in Arthroplasty, Dubai, UAE. 06/2010
6. Mohan AT, Lombard E. Analysis of urgent GP referrals to London sarcoma service. London Sarcoma Services Working Group, UK. 08/2010
7. Mohan AT, Jalgaonkar A, Aston W, Cannon S, Harrison R, Briggs TW A review of oncological and morbidity in total and subtotal sacrectomy: the Stanmore experience. 2011 British Sarcoma Group conference, Newcastle, UK. 01/2011
8. Jalgaonkar A, Mohan AT, Pollock R, Skinner J, Cannon, S, Briggs T, Aston W. Preoperative biopsy tract identification using India ink skin tattoo in tumour surgery. 12th European Federation of National Association of Orthopaedics and Traumatology (EFFORT) congress, Copenhagen, Denmark. 04/2011
9. Mohan AT, Branford O. iGuide to Plastic Surgery: iPhone Applications for Clinical Practice and Education. International Plastic and Reconstructive Surgery meeting, (IPRAS) Vancouver, Canada. 05/2011
10. Mohan AT, Mosahebi A. A review of tertiary breast reconstructive surgery and the role of autologous flap reconstruction: Present and future indications. Association of Plastic Reconstructive Surgeons of South Africa (APRSSA) 15th October, Cape Town, S. Africa 05/2011
11. Mohan AT, Rogers A, Adams S, Adams KG, Hudson DA, Rode H. Paediatric Hand Burns: Experience from Red Cross Children's Hospital. Plastic surgery section, Royal Society of Medicine, London, UK, 06/2011
12. Ovens L, Skipworth J, Mohan AT, Morkane C, Akhavani M, Imber C, Floyd D, Shankar A. Mesh Repair Of Complex, Incisional Hernias, Utilising Soft Tissue Reconstruction and Biological Mesh Insertion: A Consecutive, Single-Team Experience. British Association of Plastic Reconstructive and Aesthetic Surgeons BAPRAS meeting, London UK. 10/2011
13. Mohan AT, Jalgaonkar A, Aston W, Cannon S, Harrison RA, Briggs TW. The Vertical Rectus-abdominus Myocutaneous Flap for Soft Tissue Reconstruction Following Total Sacrectomy: Case Series. British Association of Plastic Reconstructive and Aesthetic Surgeons BAPRAS meeting, London, UK 10/2011
14. Mohan AT. A year in plastic surgery in S. Africa: A junior trainee's perspective. Plastic surgery section. Royal society of medicine, London, UK 06/2012
15. Dhinsa B, Gallagher K, Dawson-Bowling S, Mohan AT, Miles J, Carrington R, Skinner J, Briggs TWR. Can immediate post-operative radiographs predict clinical outcome at 5 years following total hip and knee arthroplasty? British 10/2012

Orthopedic Association/International Orthopedic Association (BOA/IOA)
Combined Meeting Manchester, UK.

16. Mohan AT, Adams S, Hudson D. The role of bleomycin in low flow vascular malformations. European Plastic surgery research council meeting (EPSRC), Hamburg, Germany. 25th August 2012 & International Plastic Reconstructive and Aesthetic Surgery (IPRAS) World congress, Chile. 08/2013
17. Mohan AT, Tomouk T, Fopp L, Malata C. Lessons from revision cosmetic breast implant surgery: Indications, techniques and recommendations. European Plastic surgery research council meeting, Hamburg, Germany. 08/2013
18. Mohan AT, Tomouk T, Fopp L, Malata. Lessons learned from revision cosmetic breast implant surgery: motivation, trends and a practical approach. 12th Congress of the European Society of Plastic, Reconstructive and Aesthetic Surgery (ESPRAS), Edinburgh, UK. 02/2014
19. Mohan AT, Rammos C, Gaba P, Schupbach J, Saint-Cyr M. Drain-free donor site DIEP flap: Comparative analysis with traditional abdominal drain closure in autologous breast reconstruction. 12th Congress of the European Society of Plastic, Reconstructive and Aesthetic Surgery (ESPRAS), Edinburgh, UK. 02/2014
20. Rammos CK, Mohan AT, Harless CA, Maricevich M, Maricevich R, Jacobson SR. Is the SMAS facelift safe? 22nd Congress of International Society of Aesthetic Plastic Surgery (ISAPS), Rio de Janeiro, Brazil. 03/2014
21. Mohan AT, Martinez-Jorge J, Wu P, Moran S, Saint-Cyr M. Reliability of Vascular Perfusion of Keystone Flaps in Lower Extremity Oncological Reconstruction. Chang Gung Mayo Clinic Symposium in Reconstructive Surgery, Taipei, Taiwan. *Best Paper Award*. 03/2014
22. Mohan AT, Rammos C, Michalak G, Lachman N, Saint-Cyr M. Quantitative In-Vivo Assessment of Single Dominant Perforasomes for Bilateral DIEP Breast Reconstruction: Implications on Current Practice. Association of Plastic Reconstructive Surgeons of South Africa, APRSSA, Cape Town, S. Africa. 10/2014
23. Mohan AT, Rammos C, Michalak G, Lachman N, Saint-Cyr M. Profunda Artery Perforator Flap Perforasome Territories: implication of vascular anatomy for optimal flap design in reconstructive microsurgery. Association of Plastic Reconstructive Surgeons of South Africa, APRSSA, Cape Town, S. Africa. 10/2014
24. Mohan AT, Rammos C, Gaba P, Schupbach J, Saint-Cyr M. Impact of drain free donor site closure on patient outcomes in DIEP breast reconstruction. Society of Academic and Research Surgery (SARS) 2015, Durham, UK. 06/2015
25. Mohan AT, Hwang S, Laungani A, Zhu L, Bishop A, Saint-Cyr M. The impact of negative pressure therapy to enhance vascularity and wound healing in

perforator flap preconditioning: an experimental rat model. Society of Academic and Research Surgery (SARS) 2015, Durham, UK.

26. Mohan AT, Akavan A, Martinez-Jorge J, Wu P, Moran S, Saint-Cyr M. Strategies in oncological reconstruction: modification to the keystone perforator flap concept in sarcoma reconstruction. Society of Academic and Research Surgery (SARS) 2015, Durham, UK. 06/2015
27. Mohan AT, Rammos C, Gaba P, Schupbach J, Saint-Cyr M. Impact of drain free donor site techniques in DIEP breast reconstruction on patient outcomes. World Society of Reconstructive Microsurgery WSRM, Mumbai, India 06/2015
28. Laungani A, Mohan AT, Winocour S, Sur YJ, Hansen B, Ballman K, Lachman N, Saint- Cyr M. The Gluteal Upper Lateral Flap (GULF). World Society of Reconstructive Microsurgery WSRM, Mumbai ,India 06/2015
29. Mohan AT, Rammos C, Laungani A, Sur YJ, Morsy M, Michalak G, Lachman N, Saint- Cyr M. Evaluating perforasome and clinical applications of the superficial femoral artery perforator flap in loco-regional reconstruction. World Society of Reconstructive Microsurgery WSRM, Mumbai, India. 06/2015
30. Mohan AT, Hwang S, Zhu L, Laungani A, Friedrich P, Bishop A, Saint-Cyr M. Assessment of vascularization of a perforator flap after preconditioning negative pressure therapy in a rat model. World Society of Reconstructive Microsurgery WSRM, Mumbai, India 06/2015
31. Mohan AT, Zhu L, Sur YJ, Morsy M, Rammos C, Michalak G, Lachman N, Saint-Cyr M Profunda Artery Perforator Flap Perforasome Territories: Implications of vascular anatomy for optimal flap design in reconstructive microsurgery. World Society of Reconstructive Microsurgery WSRM, Mumbai, India 06/2015
32. Mohan AT, Sur YJ, Morsy M, Laungani AT, Saint-Cyr M. Three dimensional computed tomographic angiography of the lower leg; vascular structure and inter-perforator flow mechanism. World Society of Reconstructive Microsurgery WSRM, Mumbai India 06/2015
33. Akdag O, Shafiyi A, Mohan AT, Moran SL. Free Joint and Function Muscle Transfer From the Dorsum of Foot: Anatomical Study. European Federeation of Societies of Microsurgery (EFSM), Antalya, Turkey. 06/2016
34. Mohan AT, Suchyta M, Alsubaie S, Schmelzer J, Bakri K, Sharaf S, Zhao C, Sorenson E, Low P, Dyck P, Mardini S. Novel Approaches to Assessment of Facial Nerve Regeneration in a Swine Hemi-Facial Composite Tissue Flap Model: A Physiological and Histology Study. The Transplantation Society TTS 2016, Hong Kong. 06/2016
35. Azizi A, Mohan AT Tomouk T, Conci E, Brickley E, Malata CM Does Surgical Procedure Type impact postoperative pain and recovery in deep inferior epigastric 05/2018

artery flap breast reconstruction. European Society of Surgical Research ESSR, Madrid, Spain

36. Mohan AT, Abdelrahman A, Lowndes B, Anding W, Blocker R, Hallbeck S, Moran SL, Bakri K, Mardini S. Microsurgical Skills Training Course: The effect on Microsurgery Trainees' Confidence and Workload. European Plastic Surgery Research Council, EPSRC, Hamburg, Germany 08/2018
37. Mohan AT. Bridging the Gap between Microvascular Anatomy and Flap Physiology in Autologous Breast Reconstruction. Royal College of Surgeons Arris and Gale Lectureship. Society of Academic and Research Surgery (SARS), London, UK 06/2019
38. Mohan AT, Zhu L, Wang Z, Vijayasekaran A, Saint-Cyr M. 'Autologous Breast Reconstruction in Low BMI Patients: Strategies for Maximizing Skin Envelope and Breast Volume. London Breast Meeting, London, UK 09/2019
39. Mohan AT, Bustos Hemer SS, Manrique OJ. The role of robotic assisted Breast Reconstruction and Lymphedema: A systematic review. RAMSES, Sao Paolo ,Brazil 11/2019
40. Mohan AT, Bustos Hemer SS, Nguyen MD, Manrique OJ. TAPP vs TEP Robotic Harvest of DIEP Flap: Experience with Cadaveric Models. RAMSES, Sao Paolo, Brazil 11/2019
41. Mohan AT, Suchyta M, Bakri K, Gibreel W, Morris JM, Amer H, Mardini S. Development of Long-term Survival Swine Model for Pre-Clinical Vascularized Composite Allotransplantation Research. World Society of Reconstructive Microsurgery, Cancun, Mexico 06/2022
42. Mohan AT, Hanson CR, Alexander A, Dickens H, Anding WJ, Moran SL, Mardini S, Morris JM. Simulation in Microsurgery: 3D Printed Anatomic Models and Materials Engineering to Simulate Operative Exposures for Resident Training. World Society of Reconstructive Microsurgery, Cancun, Mexico 06/2022
43. Mohan AT, Mahajan NN, Blackmon SH, Mardini S. Outcomes of Standardized Protocols in Supercharged Pedicled Jejunal Esophageal Reconstruction. World Society of Reconstructive Microsurgery, Cancun, Mexico 06/2022
44. Mohan AT, Suchyta M, Yan M, Bernard S, Pedersen J, Yngsdal L, Benike A, Sharaf B, Bakri K, Gibreel W, Amer H, Mardini S. Validation of a Long-term Survival Hemi-facial Swine Model to Assess Facial Nerve Regeneration in Vascularized Composite Tissue Allotransplantation. International Society of Vascularized Composite Tissue Allotransplantation, Cancun, Mexico 06/2022
45. Perez R, Mohan AT, Buntic R, Kushida B. Beauty Tweezers: Evaluation of a Cost Effective Approach for Microsurgery Training Tools. World Society of Reconstructive Microsurgery, Cancun, Mexico 06/2022

National

1. Mohan AT, Rammos C, Gaba P, Schupbach J, Saint-Cyr M. Drain-free donor site DIEP flap: Comparative analysis with traditional abdominal drain closure in autologous breast reconstruction. American Society of Plastic Surgery, ASPS senior resident conference, Chicago, IL, USA. 09/2014
2. Mohan AT, Rammos C, Laungani A, Michalak G, Lachman N, Saint-Cyr M. Evaluating Perforasome and Clinical Applications of the Superficial Femoral Artery Perforator Flap. American Society of Reconstructive Microsurgery, Nassau, Bahamas. 01/2015
3. Mohan AT, Rammos C, Michalak G, Lachman N, Saint-Cyr M Profunda Artery Perforator Flap Perforasome Territories: Implications of vascular anatomy for optimal flap design in reconstructive microsurgery. American Society of Reconstructive Microsurgery, ASRM, Nassau, Bahamas. 01/2015
4. Mohan AT, Akhavan A, Martinez-Jorge J, Wu P, Moran S, Saint-Cyr M. Strategies in oncological reconstruction: modification to the keystone perforator flap concept and maintaining vascular integrity. American Society of Reconstructive Microsurgery, ASRM, Nassau, Bahamas. *Best Resident Paper*. 01/2015
5. Mohan AT, Zhu L, Mardini S, Moran S, Saint-Cyr M. Appraisal Of Perforasomes And Venosomes Of Perforators In Bilateral DIEP Breast Reconstruction Using Updated SpyQ Analysis. Plastic Surgery Research Council (PSRC), Seattle, WA, USA. 05/2015
6. Mohan AT, Zhu L, Rammos CK, Michalak G, Lachman N, Moran S, Saint-Cyr M. Profunda Artery Perforator Flap Perforasome Territories: Implications of Vascular Anatomy for Optimal Flap Design in Reconstructive Microsurgery. Plastic Surgery Research Council (PSRC), Seattle, WA USA. 05/2015
7. Abdelsattar JM; Boughey JC; Mohan AT; Fahy AS; Goede WJ; Gaba P; Tran B; Harmsen WS; Jankowski CJ; Jakub JW; Hieken TJ; Degnim AC; Farley DR; Bakri K; Jacobson SR; Lemaine V; Maricevich RL; Saint-Cyr M. Comparative Study of Liposomal Bupivacaine versus Paravertebral Block for Pain Control Following Mastectomy with Immediate Tissue Expander Reconstruction. Plastic Surgery Research Council (PSRC), Seattle, WA, USA 05/2015
8. Rammos CK, Mohan AT, Jacobson SR. Is the sub-SMAS facelift safe? A comparison of complications between the superficial musculoaponeurotic system approach versus the subcutaneous approach in cosmetic rhytidectomy at a single institution. Midwestern Association of Plastic Surgeons (MAPS) Chicago, Illinois 2015 and American Society of Aesthetic Plastic Surgeons (ASAPS), Montreal, Quebec, Canada 09/2015
9. Rammos CK, Mohan AT, Gaba P, Schupbach J, Saint-Cyr M. Lessons learned from Aesthetic Abdominoplasty: Drain Free donor site closure in free flap breast reconstruction and impact on patient outcomes. American Society for Aesthetic Plastic Surgery (ASAPS), Montreal, Quebec, Canada 09/2015

10. Vijayasekaran A, Zhu L, Mohan AT, Saint-Cyr M. Maximizing the Volume of Extended Latissimus Dorsi Flap for Autologous Breast Reconstruction with Immediate Fat Grafting and Thoracoabdominal Advancement Flap. Midwestern Association of Plastic Surgeons (MAPS) Chicago, IL, USA 09/2015
11. Wu PS, Elswick S, Akhavan A, Molinar V, Mehio G, Mohan AT, Mardini S, Saint-Cyr M. Major oncologic defects of the thigh: Trends in reconstruction and complication profiles based on location. Senior Residents Conference, American Society of Plastic Surgeons (ASPS) 2015, Boston, MA, USA. 10/2015
12. Wu PS, Mohan AT, Sim FH, Saint-Cyr M. Risk Factors for the Development of Lymphedema following Sarcoma Surgery. Accepted to American Society of Reconstructive Microsurgery ASRM, Phoenix, AZ, USA. 01/2016
13. Mohan AT, Zhu L, Vijayasekaran A, Wang Z, Saint-Cyr M. The Single Dominant Perforator DIEP Breast Reconstruction: A Review of Clinical Outcomes and Risk Factors. Accepted to American Society of Reconstructive Microsurgery ASRM, Phoenix, AZ, USA. 01/2016
14. Tomouk T, Mohan AT, Azizi A, Brickley E, Conci E, Malata CM. Diep free flap breast reconstruction: Review of impact of surgical procedure on donor site morbidity. Society of Academic and Research Surgery (SARS) 2016, London, UK. *Won Gibson Prize of the BBA section.* 02/2016
15. Azizi A, Tomouk T, Mohan AT, Brickley E, Conci E, Malata CM. Procedure type, post-operative pain, recovery and clinical outcomes in DIEP flap breast reconstruction. Society of Academic and Research Surgery (SARS) 2016, London, UK. 11th Annual Academic Surgical Congress, Las Vegas, NV, USA 05/2016
16. Tomouk T, Mohan AT, Azizi A, Brickley E, Conci E, Malata CM. Diep free flap breast reconstruction: Review of impact of surgical procedure on donor site morbidity. 11th Accepted to Annual Academic Surgical Congress (ASC), Las Vegas, NV, USA 05/2016
17. Azizi A, Tomouk T, Conci E, Brickley E, Mohan AT, Malata CM. Procedure type, post-operative pain, recovery and clinical outcomes in DIEP flap breast reconstruction. Accepted to 11th Annual Academic Surgical Congress (ASC), Las Vegas, NV, USA 05/2016
18. Mohan AT, Hwang SM, Zhu L, Gaba P, Brickley E, Abdelsattar JM, Reusche R, Tran NV, Saint-Cyr M. Adioofascial Flap Versus ADM: An intraoperative selection algorithm for implant coverage in immediate breast reconstruction. American Society of Plastic Surgeons (ASPS), Los Angeles, CA, USA 10/2016
19. Mohan AT, Suchyta M, Akdag O, Zhu L, Lachman N, Mardini S, Saint-Cyr M. An Anatomical and Histological Intercostal Nerve Study to Determine Optimal Recipient Site for Sensory Reinnervation in Autologous Breast Reconstruction. American Society of Plastic Surgeons (ASPS), Los Angeles, CA, USA 10/2016

10/2016

20. Mohan AT, Suchyta M, Sharaf B, Bakri K, Alsubaie S, Michalak G, Mardini S. Vascular Anatomy of Facial Units for Vascularized Composite Tissue Transplantation Design in a Large Animal Model: An in-Vivo and Radiological Study. American Society of Plastic Surgeons (ASPS), Los Angeles, CA, USA
21. Mohan AT, Hwang SM, Zhu L, Michalak G, Laungani AT, Vernocke A, Anderson JL, Grande J, Bishop A, Moran SL, Saint-Cyr M. Radiological and Histological Assessment in Perforator Flap Microvasculature Following Pretreatment with Topical Negative Pressure Therapy: An Experimental Rat Model. American Society of Plastic Surgeons (ASPS), Los Angeles, CA, USA 10/2016
22. Tomouk T, Mohan AT, Azizi A, Brickely E, Malata CM. Diep free flap breast reconstruction: Review of impact of surgical procedure on donor site morbidity. 11th Society of University Surgeons , Academic Surgical Congress, Jacksonville, FL, USA 10/2016
23. Lindberg DR, Mohan AT, Hwang SM, Akhavan AA, Wang AA, Wu P, Carlsen BT, Bakri K, Mardini S, Saint-Cyr M. Clinical Outcomes Following Reconstructive Surgery in Management of Soft Tissue Sarcoma: The Mayo Clinic Experience. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2018
24. Mohan AT, Suchyta M, Akdag O, Vyas K, Zhu L, Lachman N, Mardini S, Saint-Cyr M. Sensory Reinnervation in Autologous Breast Reconstruction: Anatomical and Histological Assessment for Optimal Intercostal Nerve Recipient Site Selection. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2018
25. Mohan AT, Reisenauer JS, Richa J, Blackmon SH, Nichols FC, Mardini S. Clinical Outcomes of Pedicled Jejunal Interposition Flaps in Salvage of Complex Esophageal Reconstruction. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2018
26. Mohan AT, Abdelrahman AM, Lowndes BR, Anding WJ, Koenig J, Hallbeck S, Blocker R, Yu D, Bakri K, Moran SL, Mardini S. Comparison of performance, workload and resident confidence after modified microsurgical simulation compared to standard practice sessions. American Society of Reconstructive Microsurgery (ASRM), Palms Springs, AZ, USA 01/2018
27. Abdelrahman A, Lowndes BR, Mohan AT, Anding W, Koenig J, Lemaine V, Noland S, Bakri K, Moran SL, Mardini S, Hallbeck S. How Standard and Advanced Microsurgery Trainings Influence Microsurgeons Musculoskeletal Symptoms and Workload: A Randomized Controlled Trial. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2018
28. Mohan AT, Suchyta M, Alsubaie S, Schmelzer J, Bakri K, Sharaf B, Zhao C, Sorenson E, Low P, Dyck P, Mardini S. Novel Approaches to the Assessment of Facial Nerve Regeneration in a Swine Hemi-Facial Composite Tissue Flap Model: A physiological and Histological Study. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2018

29. Lowndes BR, Abdelrahman, A, Mohan AT, Koenig J, Hallbeck S, Noland S, Lemaine V. Preliminary analysis of surgeon body posture and musculoskeletal risk based on patient positioning during microsurgical breast reconstruction. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2018
30. Abdelrahman AM, Lowndes BR, Mohan AT, Noland S, Finne D, Lemaine V, Hallbeck MS. Surgeons' Perspectives on Interventional Designs for Armrest Device for Microsurgery. Proceedings of the Human Factors and Ergonomics Society Annual Meeting, Philadelphia, PA, USA 03/2018
31. Mohan AT, Chen C, Ferguson TB, Mardini S, Moran SL, Saint-Cyr M. Novel Assessment of Intraoperative venous outflow with near infrared indocyanine green angiography in bilateral DIEP breast reconstruction. American Society of Plastic Surgeons ASPS, Chicago, IL, USA 09/2018
32. Mohan AT, Michalak GJ, Lachman N, Mardini S, Moran SL, Saint-Cyr M. Refinements in Microcirculation of the Deep and Superficial Venous Territories & Contribution of the Dermal Plexus in DIEP flap reconstruction: An Anatomical study. American Society of Plastic Surgeons ASPS, Chicago, IL, USA 09/2018
33. Abdelrahman A, Lowndes BR, Mohan AT, Anding W, Koenig J, Lemaine V, Noland S, Bakri K, Moran SL, Mardini S, Hallbeck S. Microsurgery Training Impact on Microsurgery Trainees' Musculoskeletal Symptoms and Workload. Minnesota Surgical Society (MSS), Rochester MN, USA *Second place, Best Oral Presentation.* 10/2018
34. Mohan AT, Suchyta M, Sabbagh MD, Schmelzer J, Bakri K, Alsubaie S, Matsumoto J, Zhao C, Sorenson EJ, Low PA, Dyck P, Amer H, Mardini S. Assessment of Facial Nerve Regeneration in Vascularized Composite Allotransplantation: Establishing a Large Swine Animal Model and Literature Review. American Society for Reconstructive Transplantation 6th Biennial Meeting, Chicago, IL, USA 11/2018
35. Mohan AT, Abdelrahman AM, Lowndes BR, Anding WJ, Hallbeck S, Blocker R, Bakri K, Moran SL, Mardini S. Impact of Difficult Level on Resident Performance, Cognitive Capacity and Workload in Microsurgery Simulation Training. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2019
36. Elswick SM, Wu P, Akhavan A, Molinar VE, Mohan AT, Sim FH, Saint-Cyr M, Martinez-Jorge M. A Reconstructive Algorithm after soft tissue thigh sarcoma resection including predictors of free flap reconstruction. American Society of Reconstructive Microsurgery (ASRM), Palm Springs, AZ, USA 01/2019
37. Mohan AT, Linden AR, Lowndes BR, Blocker RC, Harless CA, Martinez-jorge J, Manrique OJ, Hallbeck MS, Nguyen MDT, Law KE. A Pilot Study of Surgeon Perceived Workload for Elective Plastic Surgery Breast Procedures. American Society of Plastic Surgeons ASPS, San Diego, CA, USA. 01/2019
38. Bustos Hemer SS, Mohan AT, Manrique OJ. Robotic-Assisted DIEP Flap Harvest for Autologous Breast Reconstruction Using a Cadaveric Model: Transabdominal Pre- 01/2020

Peritoneal (TAPP) Vs. Totally Extraperitoneal (TEP) Approach. American Society of Reconstructive Microsurgery (ASRM), Fort Lauderdale, FL, USA

39. Mohan AT, Mahajan N, Mardini S, Blackmon SH. Patient reported Outcomes and Refinements in Supercharged Pedicled Jejunal Interposition for Esophageal Reconstruction. Southern Thoracic Surgery Association. Atlanta, GA, USA 11/2021
40. Yan M, Mohan AT, Gibreel W, Ahn E, Mardini S. A comparative study of the effectiveness of endoscopic assisted strip craniectomy in the treatment of single suture craniosynostosis beyond 3 months of age. American Society of Plastic Surgeons (ASPS), Atlanta, GA, USA. 11/2021
41. Mohan AT, Hanson CR, Alexander A, Dickens H, Anding WJ, Moran SL, Mardini S, Morris JM. 3D printed anatomic models and materials engineering to simulate operative exposures for resident training. American Society of Plastic Surgeons (ASPS), Boston, Massachusetts USA. 10/22
42. Mohan AT, MacArthur R, Murphy B, Song A, Jakub J, Degnim A, Harmsen WS, Martinez-Jorge J, Vijayasekaran A. Patient Satisfaction and outcomes following same day discharge following mastectomy and immediate breast reconstruction. American Society of Plastic Surgeons (ASPS), Boston, Massachusetts, USA. Top Resident Abstracts. 10/22

Regional

1. Mohan AT, Suchyta M, Sabbagh D, Alsubaie S, Schmelzer J, Bakri K, Sharaf B, Zhao C, Sorenson E, Low P, Dyck P, Mardini S. Developing Swine Hemi-facial Composite Tissue Flap Models for Vascularized Composite Allotransplantation and Facial Nerve Regeneration. Mayo Clinic Young Investigators Research Symposium, Rochester MN USA *Top Paper in Translational Research*. 03/2018
2. Yan M, Mohan AT, Gibreel W, Ahn E, Mardini S. A comparative study of the effectiveness of endoscopic assisted strip craniectomy in the treatment of single suture craniosynostosis beyond 3 months of age. Balfour Annual Surgery Symposium, Mayo Clinic, Rochester, MN, USA 12/2020
3. Mohan AT, Suchyta M, Yan M, Bernard S, Pedersen J, Yngsdal L, Benike A, Bakri K, Gibreel W, Amer H, Mardini S. A long-term survival hemi-facial vascularized composite allotransplantation model for the study of facial nerve regeneration. Balfour Annual Surgery Symposium, Mayo Clinic. Rochester MN, USA 12/2021

Poster Presentations

1. Kastner C, Nuttall MN, Mohan AT, Brewin J Popert RA Modified Template Transperineal Prostate Biopsy Technique - Can Side Effects be Reduced and High 11/2008

Cancer Detection Rates Maintained?. British Association of Urological Surgeons (BAUS) Annual meeting, Manchester, UK

2. Dasgupta R, Mohan AT, Hegarty N, Glass J, Thomas K. Does upper tract urine culture help to prevent sepsis post-PCNL? 26th World Congress of Endourology & ESWL, Shanghai, China 11/2008
3. Mohan AT, Jalgaonkar A, Park D, Aston W, Tirabosco R. An unusual presentation for Ewing's Sarcoma in Upper Limb Peripheral Nerves, British Society for Surgery of the Hand, Royal College of Surgeons of England, London, UK 11/2010
- 4.
5. Mohan AT, Jalgaonkar A, Aston W, Cannon S, Harrison RA, Briggs TW. The Vertical Rectus-abdominus Myocutaneous Flap for Soft Tissue Reconstruction Following Total Sacrectomy: Case Series. World Congress IPRAS, Vancouver, Canada. 05/2011
6. Mohan AT, Jalgaonkar A, Park D, Aston W, Tirabosco R. Intra-neural Ewing's sarcoma presenting as elbow pain. A report of 2 cases. 12th European Federation and National Association of Orthopedics and Traumatology (EFORT) congress, Copenhagen, Denmark 06/2011
7. Mohan AT, Branford OA. Smart Applications for Clinical Practice and Education in Plastic Surgery. American Society of Aesthetic Plastic Surgery (ASAPS), Boston, USA. 10/2011
8. Mohan AT, Adams S, Rode H. A promising solution: Reducing the biological burden of chronic burn wounds in large pediatric burns. International Society for Burns Injuries, Edinburgh 2012 and IPRAS World Congress 2013, Santiago, Chile. 05/2013
9. Mohan AT, Adams S, Rode H. Paediatric hand burns: overview of acute management and reconstruction. International Society for Burns Injuries, 2012 Edinburgh, Scotland and IPRAS World congress 2013, Santiago, Chile. 05/2013
10. Mohan AT, Adams S, Hudson D. Outcomes of intralesional bleomycin injection in management of klippel trenauay syndrome. IPRAS World congress 2013, Santiago, Chile 05/2013
11. Mohan AT, Adams S, Hudson D. Exploring the role of lower limb perforator flaps in trauma. IPRAS World congress 2013, Santiago, Chile. 05/2013
12. Mohan AT, Maree M, Solomons M. Predicting outcomes in obstetric brachial plexus surgery and the need for early surgical intervention: the value of early triceps function in assessment. IPRAS World congress 2013, Santiago, Chile. 05/2013
13. Mohan AT, Tomouk T, Azizi A, Malata CM. Pain profiles in abdominal free flap breast reconstruction using the total rib preservation technique of internal mammary vessel exposure. Chang Gung Mayo Clinic Symposium in Reconstructive Surgery, Taipei, Tawain. 03/2014

14. Qian S, Mohan AT, Malata CM Avoiding pitfalls in open augmentation rhinoplasty with autologous I-shaped costal cartilage struts for saddle nose collapse due to autoimmune disease - The Cambridge experience. 12th Congress of the European Society of Plastic, Reconstructive and Aesthetic Surgery (ESPRAS), Edinburgh, Scotland. 05/2014
15. Mohan AT, Tomouk T, Azizi A, Malata CM. Pain profiles in abdominal free flap breast reconstruction using the total rib preservation technique of internal mammary vessel exposure. 12th Congress of the European Society of Plastic, Reconstructive and Aesthetic Surgery (ESPRAS), Edinburgh, Scotland: 05/2014
16. Mohan AT, Akhavan A, Martinez-Jorge J, Wu P, Moran S, Saint-Cyr M. Reliability of Vascular Perfusion of Keystone Flaps in Lower Extremity Oncological Reconstruction. 12th Congress of the European Society of Plastic, Reconstructive and Aesthetic Surgery (ESPRAS), Edinburgh, Scotland 05/2014
17. Mohan AT, Rammos C, Gaba P, Schupbach J, Saint-Cyr M. Drain-free donor site DIEP flap: Comparative analysis with traditional abdominal drain closure in autologous breast reconstruction. 20th Annual Balfour Surgery Research Symposium Mayo Clinic, Rochester, MN, USA 12/2014
18. Mohan AT, Zhu L, Michalak G, Chen C, Ferguson TB, Saint-Cyr M. Re-appraisal of angiosome territories in abdominal based perforator flap breast reconstruction using SPY-Q analysis and indocyanine green laser angiography in-vivo: lessons learnt to improve reconstructive outcomes. 20th Annual Balfour Surgery Research Symposium Mayo Clinic, Rochester MN, USA. 12/2014
19. Mohan AT, Akavan A, Martinez-Jorge J, Wu P, Moran S, Saint-Cyr M. Strategies in oncological reconstruction: modification to the keystone perforator flap concept and maintaining vascular integrity. 20th Annual Balfour Surgery Research Symposium Mayo Clinic, Rochester, MN, USA 12/2014
20. Mohan AT, Hwang S, Zhu L, Laungani A, Friedrich P, Michalak G, Bishop A, Grande J, Saint-Cyr M. The impact of preconditioning in perforator flap surgery in an experimental rat model: negative pressure therapy on vascularity and wound healing. 20th Annual Balfour Surgery Research Symposium, Mayo Clinic, Rochester, MN, USA 12/2014
21. Mohan AT, Hwang S, Lin Z, Lachman N, Saint-Cyr M. Reappraisal of arterial and venous perforator territories using SPY indocyanine green laser angiography in abdominal based perforator flap breast reconstruction. Society of Academic and Research Surgery (SARS) 2015, Durham, UK. 05/2015
22. Mohan AT, Zhu L, Michalak G, Lachman N, Saint-Cyr M. Quantitative assessment of single dominant perforator territories in bilateral DIEP breast reconstruction using indocyanine green fluorescence angiography and 4D CT imaging. World Society of Reconstructive Microsurgery WSRM, Mumbai, India 06/2015

23. Quirk NP, Thoreson A, De la Vega RE, Coenen MJ, Trujillo M, Morsy M, Mohan AT, Sur YJ, Tepic Slobodan, Evans CH. Mechanical Characterization of a Novel External Fixator for Dynamizing Ovine Osseous Defects. Orthopedic Research Society, Jacksonville, Florida USA, 2016 09/2016
24. Park J, Yu D, Mohan AT, Anding W, Mardini S. Improving microsurgery training with ergonomics. Presented at Department of Industrial Engineering, Purdue University, Lafayette, IA, USA 10/2016
25. Mohan AT, Suchyta M, Alsubaie S, Schmelzer J, Bakri K, Sharaf B, Zhao C, Sorenson E, Low P, Dyck P, Mardini S. Novel Approaches to the Assessment of Facial Nerve Regeneration in a Swine Hemi-Facial Composite Tissue Flap Model: A physiological and Histological Study. American Society of Reconstructive Transplantation, 5th Biennial Meeting, Chicago, IL, USA 11/2016
26. Mohan AT, Suchyta M, Alsubaie S, Schmelzer J, Bakri K, Sharaf B, Zhao C, Sorenson E, Low P, Dyck P, Mardini S. Vascular Anatomy of Facial Units for Vascularized Composite Tissue Transplantation Design in a Large Animal Model: An in-vivo and radiological study. American Society of Reconstructive Transplantation, 5th Biennial Meeting, Chicago, IL, USA 11/2016
27. Mohan AT, Suchyta M, Akdag O, Vyas K, Zhu L, Lachman N, Mardini S, Saint-Cyr M. Sensory Re-innervation in Autologous Breast Reconstruction: Anatomical and Histological Assessment for Optimal Intercostal Nerve Recipient Site Selection. World Society of Reconstructive Microsurgery (WSRM), Seoul, South Korea, 2017 06/2017
28. Abdelrahman A, Lowndes B, Mohan AT, Anding W, Koenig J, Lemaine V, Noland S, Bakri K, Moran S, Mardini S, Hallbeck S. Microsurgery Training Impact on Microsurgeon's Musculoskeletal Symptoms and Workload: A Randomized Controlled Trial. 21st Annual Balfour Surgery Research Symposium, Mayo Clinic, Rochester, MN, USA 12/2017
29. Mohan AT, Suchyta M, Alsubaie S, Bakri K, Michalak GJ, Mardini S. Vascular Anatomy of Swine Facial Subunits: Enabling a Large-Animal Model of Facial Reconstruction. Accepted to American Society of Reconstructive Microsurgery (ASRM), Palm Springs, Arizona 01/2018
30. Koenig J, Abdelrahman A, Curry C, Mohan AT, Lemaine V, Noland S, Hallbeck S, Lowndes B. Preliminary Analysis of Surgeon Body Posture and Musculoskeletal risk based on patient positioning during microsurgery breast reconstruction. Accepted to Human Factors and Ergonomics Society Meeting Symposium, Boston, MA, USA 02/2018
31. Abdelrahman AA, Lowndes B, Mohan AT, Noland S, Lemaine V, Hallbeck MS. Mayo Clinic. Microsurgery Exposure Assessment and Intervention to Improve Musculoskeletal Health. The 2018 National Occupational Research Agenda (NORA) Symposium. University of Minnesota. Minneapolis, MN, USA 02/2018
32. Mohan AT, Abdelrahman A, Lowndes B, Anding W, Blocker R, Hallbeck S, Moran SL, Bakri K, Mardini S. Microsurgery Skills Training Course: The Effect on Microsurgery 03/2018

Trainee's Confidence and Workload. Annual ACS Surgical Simulation Summit: An International Multi-Professional Meeting, Chicago, IL, USA.

33. Mohan AT, Suchyta M, Sabbagh D, Alsubaie S, Schmelzer J, Bakri K, Sharaf B, Zhao C, Sorenson E, Low P, Dyck P, Mardini S. Developing Swine Hemi-facial Composite Tissue Flap Models for Vascularized Composite Allotransplantation and Facial Nerve Regeneration. Mayo Clinic Young Investigators Research Symposium, Rochester MN USA 03/2018
34. Mohan AT, Suchyta M, Sabbagh MD, Bakri K, Alsubaie S, Matsumoto J, Zhao C, Mardini S. 3D Angiography and Anatomic Modelling in Facial CTA Research: Establishing a Large Animal Swine Model. Accepted to American Society for Reconstructive Transplantation 6th Biennial Meeting, Chicago, IL, USA 11/2018
35. Bustos SS, Mohan AT, Terzic A, Nguyen M, Martinez-Jorge J, Forte AJ, Manrique OJ. Robotic-Assisted Flap Harvest for Autologous Breast Reconstruction: Feasibility of a Regenerative Plastic Surgery Support System. Poster of Distinction, Balfour Surgery Research Symposium, Rochester, MN, USA *Poster of Distinction.* 12/2019
36. Mohan AT, Suchyta M, Yan M, Bernard S, Pedersen J, Yngsdal L, Benike A, Sharaf B, Bakri K, Gibreel W, Amer H, Mardini S. Developing A Long-term Survival Hemi-facial Vascularized Composite Allotransplantation Swine Model To Study Facial Nerve Regeneration. American Association of Plastic Surgeons AAPS, San Diego, CA, USA 04/2022
37. Perez Rocio, Mohan AT, Buntic R. Beauty Tweezers: An evaluation of a cost-effective approach to microsurgery training tools. ICOPLAST, Lima, Peru 05/2022
38. Predictors of prophylactic abdominal mesh use in muscle sparing free autologous breast reconstruction. World Society Reconstructive Microsurgery WSRM, Singapore 2023 08/2023

OTHER SCHOLARLY ACTIVITIES

Health Management Research Activities

BSc Thesis : "The value of systems biology to medicine and delivery of healthcare". Supervisors Prof. Rifat Atun and Prof R Kitney. Contribution to the Academy of Medicine Sciences and Royal Academy of Engineering publication, "Systems Biology: a vision for engineering and medicine.". 2005

Research intern. Supervisor: Prof R Atun. 2006-2007

-Involved with meeting summaries, literature review and summary reports for the following publications: Vodafone Policy Papers Series, March 2006. Uses and Benefits of SMS in Healthcare Delivery

- Advancing Economic Growth: Investing in Health. Chatham House Conference June 2005. Transcription and meeting summary

REFERENCES

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