

SCIENTIFIC PUBLICATIONS BY TRANSPLANT PROGRAMMES (2019)

TITLE OF ARTICLE		AUTHOR(S)	PUBLICATION DETAILS
CORNEAL TRANSPLANT PROGRAMME			
1.	A cellular and proteomic approach to assess proteins extracted from cryopreserved human amnion in the cultivation of corneal stromal keratocytes for stromal cell therapy	Fenner BJ*, Yusoff NZBM*, Fuest M, Zhou L, Bandeira F, Cajucom-Uy HY, Tan HK, Mehta JS, Yam GHF.	Eye Vis (Lond). 2019 Oct 12;6:30. doi: 10.1186/s40662-019-0155-0. eCollection 2019.
2.	A review of cosmetic contact lens infections	Lim CHL, Stapleton F, Mehta JS.	Eye (Lond). 2019 Jan;33(1):78-86. doi: 10.1038/s41433-018-0257-2.
3.	A prognostic biomarker of corneal repair	Mehta JS, Kocaba V, Peh GS	Nat Biomed Eng. 2019 Dec;3(12):945-946. doi: 10.1038/s41551-019-0488-y.
4.	A sintered graphene/titania material as a synthetic keratoprosthesis skirt for end-stage corneal disorders	Li Z*, Goh TW*, Yam GH, Thompson BC, Hu H, Setiawan M, Sun W, Riau AK, Tan DT, Khor KA, Mehta JS.	Acta Biomater. 2019 Aug;94:585-596. doi: 10.1016/j.actbio.2019.05.053. Epub 2019 May 24.
5.	Case of isolated Rhizobium radiobacter contact lens-related infectious keratitis: A plant microbe now emerging as a human pathogen	Beau JF, Kumar A, Tan NYQ, Ang M.	Am J Ophthalmol Case Rep. 2019 May 30;15:100476. doi: 10.1016/j.ajoc.2019.100476. eCollection 2019 Sep.
6.	Characterization of Human Transition Zone Reveals a Putative Progenitor-Enriched Niche of Corneal Endothelium	Yam GH, Seah X, Yusoff NZBM, Setiawan M, Wahlig S, Htoon HM, Peh GSL, Kocaba V, Mehta JS	Cells. 2019 Oct 12;8(10). pii: E1244. doi: 10.3390/cells8101244.
7.	Comparison of Corneal Epithelial and Stromal Thickness between Keratoconic and Normal Eyes in an Asian Population	Wang Q, Lim L, Lim SWY, Htoon HM.	Ophthalmic Res. 2019;62(3):134-140. doi: 10.1159/000500313.
8.	Corneal bioprinting utilizing collagen-based bioinks and primary human keratocytes	Duarte Campos DF, Rohde M, Ross M, Anvari P, Blaeser A, Vogt M, Panfil C, Yam GH, Mehta JS, Fischer H, Walter P, Fuest M.	J Biomed Mater Res A. 2019 Sep;107(9):1945-1953. doi: 10.1002/jbm.a.36702.
9.	Corneal Ectasia Risk And Percentage Tissue Altered In Myopic Patients Presenting For Refractive Surgery	Ong HS, Farook M, Tan BBC, Williams GP, Santhiago MR, Mehta JS.	Clin Ophthalmol. 2019 Oct 14;13:2003-2015. doi: 10.2147/OPHTH.S215144. eCollection 2019.
10.	Corneal re-innervation following refractive surgery treatments	Bandeira F, Yusoff NZ, Yam GH, Mehta JS.	Neural Regen Res. 2019 Apr;14(4):557-565. doi: 10.4103/1673-5374.247421
11.	Corneal remodelling and topography following biological inlay implantation with combined crosslinking in a rabbit model	Damgaard IB, Liu YC, Riau AK, Teo EPW, Tey ML, Nyein CL, Mehta JS.	Sci Rep. 2019 Mar 14;9(1):4479. doi: 10.1038/s41598-019-39617-0.
12.	Corneal Stability of LASIK and SMILE When Combined With Collagen Cross-Linking	Konstantopoulos A, Liu YC, Teo EP, Nyein CL, Yam GH, Mehta JS.	Transl Vis Sci Technol. 2019 May 20;8(3):21. doi: 10.1167/tvst.8.3.21. eCollection 2019 May.
13.	Cytomegalovirus Corneal Endotheliitis After Descemet Membrane Endothelial Keratoplasty	Tan TE, Tan DTH	Cornea. 2019 Apr;38(4):413-418. doi: 10.1097/ICO.0000000000001847.
14.	Descemet Membrane Endothelial Keratoplasty Versus Descemet Stripping Automated Endothelial Keratoplasty and Penetrating Keratoplasty	Woo JH, Ang M, Htoon HM, Tan D.	Am J Ophthalmol. 2019 Nov;207:288-303. doi: 10.1016/j.ajo.2019.06.012. Epub 2019 Jun 19.
15.	Differential epithelial and stromal protein profiles in cone and non-cone regions of keratoconus corneas	Yam GH*, Fuest M*, Zhou L, Liu YC, Deng L, Chan AS, Ong HS, Khor WB, Ang M, Mehta JS.	Sci Rep. 2019 Feb 27;9(1):2965. doi: 10.1038/s41598-019-39182-6.
16.	Effects of corneal preservation conditions on human corneal endothelial cell culture	Parekh M, Peh G, Mehta JS, Ahmad S, Ponzin D, Ferrari S.	Exp Eye Res. 2019 Feb;179:93-101. doi: 10.1016/j.exer.2018.11.007.

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CORNEAL TRANSPLANT PROGRAMME			
17.	Functional Evaluation of Two Corneal Endothelial Cell-Based Therapies: Tissue-Engineered Construct and Cell Injection	Peh GSL*, Ong HS*, Adnan K, Ang HP, Lwin CN, Seah XY, Lin SJ, Mehta JS.	Sci Rep. 2019 Apr 15;9(1):6087. doi: 10.1038/s41598-019-42493-3.
18.	Incidence and Outcomes of Intraoperative Descemet Membrane Perforations During Deep Anterior Lamellar Keratoplasty	Huang OS, Htoon HM, Chan AM, Tan D, Mehta JS.	Am J Ophthalmol. 2019 Mar;199:9-18. doi: 10.1016/j.ajo.2018.10.026.
19.	Infectious corneal ulceration: a proposal for neglected tropical disease status	Ung L, Acharya NR, Agarwal T, Alfonso EC, Bagga B, Bispo PJ, Burton MJ, Dart JK, Doan T, Fleiszig SM, Garg P, Gilmore MS, Gritz DC, Hazlett LD, Iovieno A, Jhanji V, Kempen JH, Lee CS, Lietman TM, Margolis TP, McLeod SD, Mehta JS, Miller D, Pearlman E, Prajna L, Prajna NV, Seitzman GD2, Shanbhag SS5, Sharma N, Sharma S, Srinivasan M, Stapleton F, Tan DT, Tandon R, Taylor HR, Tu EY, Tuli SS, Vajpayee RB, Van Gelder RN, Watson SL, Zegans ME, Chodosh J.	Bull World Health Organ. 2019 Dec 1;97(12):854-856. doi: 10.2471/BLT.19.232660. Epub 2019 Nov 1.
20.	Intraoperative Optical Coherence Tomography-Guided Femtosecond Laser-Assisted Deep Anterior Lamellar Keratoplasty	Liu YC*, Wittwer VV*, Yusoff NZM, Lwin CN, Seah XY, Mehta JS, Seiler T.	Cornea. 2019 May;38(5):648-653. doi: 10.1097/ICO.0000000000001851
21.	Optical Coherence Tomography Angiography Imaging to monitor Anti-VEGF treatment of Corneal Vascularization in a Rabbit Model	Devarajan K, Ong HS, Lwin NC, Chua J, Schmetterer L, Mehta JS, Ang M.	Sci Rep. 2019 Nov 26;9(1):17576. doi: 10.1038/s41598-019-54171-5.
22.	Passaging capability of human corneal endothelial cells derived from old donors with and without accelerating cell attachment	Parekh M, Peh G, Mehta JS, Ramos T, Ponzin D, Ahmad S, Ferrari S.	Exp Eye Res. 2019 Dec;189:107814. doi: 10.1016/j.exer.2019.107814. Epub 2019 Sep 24.
23.	Review of Laser Vision Correction (LASIK, PRK and SMILE) with Simultaneous Accelerated Corneal Crosslinking - Long-term Results	Lim EWL, Lim L.	Curr Eye Res. 2019 Nov;44(11):1171-1180. doi: 10.1080/02713683.2019.1656749.
24.	Systematic Review on Therapeutic Strategies to Minimize Corneal Stromal Scarring After Injury	Kwok SS, Shih KC, Bu Y, Lo AC, Chan TC, Lai JS, Jhanji V, Tong L.	Eye Contact Lens. 2019 Nov;45(6):347-355. doi: 10.1097/ICL.0000000000000584.
25.	The future of keratoplasty: cell-based therapy, regenerative medicine, bioengineering keratoplasty, gene therapy	Mehta JS, Kocaba V, Soh YQ.	Curr Opin Ophthalmol. 2019 Jul;30(4):286-291. doi: 10.1097/ICU.0000000000000573.
26.	Three-Dimensional Neurite Characterization of Small Incision Lenticule Extraction Derived Lenticules	Bandeira F, Yam GH, Liu YC, Devarajan K, Mehta JS.	Invest Ophthalmol Vis Sci. 2019 Oct 1;60(13):4408-4415. doi: 10.1167/iovs.19-27566.
27.	Treatment of corneal endothelial damage in a rabbit model with a bioengineered graft using human decellularized corneal lamina and cultured human corneal endothelium	Arnalich-Montiel F, Moratilla A, Fuentes-Julián S, Aparicio V, Cadenas Martin M, Peh G, Mehta JS, Adnan K, Porrúa L, Pérez-Sarriegui A, De Miguel MP.	PLoS One. 2019 Nov 21;14(11):e0225480. doi: 10.1371/journal.pone.0225480. eCollection 2019.
28.	Trinucleotide repeat expansion length as a predictor of the clinical progression of Fuchs' Endothelial Corneal Dystrophy	Soh YQ, Peh Swee Lim G, Htoon HM, Gong X, Mootha VV, Vithana EN, Kocaba V, Mehta JS.	PLoS One. 2019 Jan 25;14(1):e0210996. doi: 10.1371/journal.pone.0210996. eCollection 2019.

TITLE OF ARTICLE	AUTHOR(S)	PUBLICATION DETAILS	
HAEMATOPOIETIC STEM CELL (ADULT) TRANSPLANT PROGRAMME			
1.	Advances in hematopoietic stem cell transplantation in the Asia-Pacific region: the second report from APBMT 2005-2015.	Iida M, Kodera Y, Dodds A, Ho AYL, Nivison-Smith I, Akter MR, Wu T, Lie AKW, Ghavamzadeh A, Kang HJ, Ong TC, Gyi AA, Farzana T, Baylon H, Gooneratne L, Tang JL, Bunworasate U, Huynh VM, Srivastava A, Okamoto S, Atsuta Y; Registry Committee of the Asia-Pacific Blood and Marrow Transplantation Group (APBMT).	Bone Marrow Transplant. 2019 May 14. doi:10.1038/s41409-019-0554-9. [Epub ahead of print]
2.	A novel simplified method of generating cytomegalovirus-specific cytokine-induced killer cells of high specificity and superior potency with GMP compliance.	Clin Immunol. 2019 Jun 21;205:83-92. doi: 10.1016/j.clim.2019.06.007. [Epub ahead of print]	Luah YH, Sundar Raj K, Koh MBC, Linn YC.
3.	Donor-type fresh frozen plasma is effective in preventing hemolytic reaction in major ABO incompatible allogeneic stem cell transplant.	Quek J, Lee JJ, Lim FL, Diong C, Goh YT, Gopalakrishnan S, Ho A, Hwang W, Koh M, Loh Y, Linn YC.	Transfusion. 2019 Jan;59(1):335-339. doi:10.1111/trf.15053. Epub 2018 Nov 22.
5.	Haploidentical transplantation and post-transplant cyclophosphamide for treating aplastic anemia patients: a report from the EBMT Severe Aplastic Anemia Working Party.	Pedro Prata, Diderik-Jan Eikema, Boris Afanasyev, Paul Bosman, Frans Smiers, Jose Luis Díez-Martín, Celso Rodrigues, Yener Koc, Xavier Poiré, Anne Sirvent, Nicolaus Kröger, Fulvio Porta, Wolfgang Holter, Adrian Bloor, Charlotte Jubert, Arnold Ganser, Alina Tanase, Anne-Lise Menard, Pietro Pioltelli, José A Pérez-Simón, Aloysius Ho, Mahmoud D Aljurf, Nigel Russell, Hélène Labussiere Wallet, Tessa Kerre, Vanderson Rocha, Gérard Socié, Antonio Risitano, Carlo Dufour, and Regis Peffault de Latour.	Bone Marrow Transplant. 2019 Dec 16. doi: 10.1038/s41409-019-0773-0. [Epub ahead of print] PubMed PMID: 31844137.
4.	Phase I/II Study of Stem-Cell Transplantation Using a Single Cord Blood Unit Expanded Ex Vivo With Nicotinamide	Horwitz ME, Wease S, Blackwell B, Valcarcel D, Frassoni F, Boelens JJ, Nierkens S, Jagasia M, Wagner JE, Kuball J, Koh LP, Majhail NS, Stiff PJ, Hanna R, Hwang WYK, Kurtzberg J, Cilloni D, Freedman LS, Montesinos P, Sanz G.	J Clin Oncol. 2019 Feb 10;37(5):367-374. doi: 10.1200/JCO.18.00053. Epub 2018 Dec 4.
HAEMATOPOIETIC STEM CELL (PAEDIATRIC) TRANSPLANT PROGRAMME			
1.	Childhood chronic myeloid leukemia in Singapore: Is there a role for hematopoietic stem cell transplantation in the TKI era?	Ah Moy Tan, Mya Soe Nwe, Vijayakumari K, Mei Yoke Chan, Vinod Gunasekaran, Prasad Iyer & Poh Lin Tan	Bone Marrow Transplantation (2019) 54:144–619. P094 Page 204.
2.	Haploidentical HSCT in malignant & non-malignant disorders in a single paediatric center-A SE Asia perspective	Ah Moy Tan, Michaela Seng, K Vijaya, Shui Yeh Soh, Leung Wing	Blood Research vol 54 Suppl2 August 2019 PE 121 -473.

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HAEMATOPOIETIC STEM CELL (PAEDIATRIC) TRANSPLANT PROGRAMME		
3.	HLA-Haploidentical Hematopoietic Cell Transplantation after TCR- $\alpha\beta$ and CD45RA+ Depletion Following Reduced Intensity Conditioning in Adults and Children with Hematological Malignancies- Two-year follow-up of Multicenter Study in Singapore	Michelle Poon , Yeh Ching Linn, Wing Leung, Poh Lin Tan, Zi Yi Lim , Colin Diong, B Vellayappan , Rajat Bhattacharyya, Ah Moy Tan, Lip Kun Tan, Teck Guan Soh, Liang-Piu Koh
4.	HSCT in children with bone marrow failure: Outcomes from a single Singapore center	Prasad Iyer, M Seng ,Ah Moy Tan , K Vijaya , MY Chan R Bhattacharyya
SKIN TRANSPLANT PROGRAMME		
1.	A prospective comparative study on the effectiveness of two different non-adherent polyurethane dressings on split-thickness skin graft donor sites (S57)	Rajasegeran D, Aloweni F, Chong SJ, Lim XY, Sekran S, Lei Z, Lim B, Kok YO
2.	A review of skin banking guidelines and standards worldwide: Towards the harmonisation of guidelines for skin banking in therapeutic applications for the regions under the Asia-Pacific Burns Association (APBA) (S106);	Heng WL, Wang QWB, Chong SJ, Chua AWC
3.	Isolation and culture of hair follicle dermal sheath mesenchymal stromal cells.	Ma D, Lee ST, Chua AWC
4.	Knowledge and views of nurses on tissue donation (S107)	Wang QWB, Ho WN, Khoo YC, Chua AWC
5.	Oxygen-mediated control of the keratinocyte proliferation-differentiation axis.	Koh R, Szevényi I, Lee B, Denil SLJJ, Lim SYJ, Benny PA, Grasset N, Tan BK, Lane EB.
6.	Perception and challenges to establishing the first skin bank in Bangladesh (P3)	Cheah A, Chua AWC, Chong XY, Hasan M, Chong SJ
7.	Skin tissue engineering in severe burns: A review on its therapeutic applications	Chua AWC, Saphira CF, Chong SJ
8.	The Refinement of Decontamination Regimen of Skin Allografts in Singapore General Hospital (S108)	Dadlani Z, Tan SX, Lim TP, Yick J, Chan WY, Chua AWC
HEART TRANSPLANT PROGRAMME		
1.	Staphylococcal Driveline Infections are the Predominant Type of Left Ventricular Assist Device Associated Infections in Singapore	Yii Ean Teh, Choon Pin Lim, Louis Loon Yee Teo, Jia Lin Soon, Victor Tar Toong Chao, Chia Lee Neo, Joycelyn Lili Tan, Ka Lee Kerk, David Kheng Leng Sim, Teing Ee Tan, Ban Hock Tan, Sivathanas Cumaraswamy, Thuan Tong Tan

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<u>LIVER TRANSPLANT PROGRAMME</u>			
1.	Outcome of salvage liver transplant for recurrent HCC: a comparison with primary liver transplant.	Yuxin Guo,1 Ek-Khoo Tan,1 Thinesh-Lee Krishnamoorthy,2 Chee-Kiat Tan,2 Ban-Hock Tan,3 Thuan-Tong Tan,3 Ser-Yee Lee,1 Chung-Yip Chan,1 Peng-Chung Cheow,1 Alexander Y. F. Chung,1 Prema Raj Jeyaraj,1 and Brian K. P. Goh 1,4	Ann Hepatobiliary Pancreat Surg 2019 Feb; 23(1): 1–7.
2.	Repeat liver resection versus salvage liver transplant for recurrent hepatocellular carcinoma: a propensity score-adjusted and -matched comparison analysis. Ann Hepatobiliary Pancreat Surg 2019.	Yuxin Guo1, Ek-Khoo Tan1, Nicholas L. Syn1, Thinesh-Lee Krishnamoorthy2, Chee-Kiat Tan2, Reina Lim2, Ser-Yee Lee1, Chung-Yip Chan1, Peng-Chung Cheow1, Alexander Y. F. Chung1, Prema Raj Jeyaraj1, Brian K. P. Goh1,3.	Ann Hepatobiliary Pancreat Surg 2019.
3.	Safety and Benefit of Using Liver Grafts From Older Donors.	Goh BKP	2019 JAMA Surg. 2019 Jul 24. doi: 10.1001/jamasurg.2019.2183
4.	Tacrolimus Monotherapy in Recipients of Liver Transplant: A Single-Center Experience.	Lin SL, Krishnamoorthy TL, Kumar R, Lim TR.	Transplantation Proceedings 2019 Jul-Aug;51(6):1920-1922. PMID:31399176
5.	Use of Expression Profiles of HBV DNA Integrated Into Genomes of Hepatocellular Carcinoma Cells to Select T Cells for Immunotherapy. Gastroenterology 2019;156:1862-1876	*Tan AT, *Yang N, *Krishnamoorthy TL, Oei V, Chua A, Xinyuan Z, Si TH, Chia A, Le Bert N, Low D, Tan HK, Kumar R, Irani FG, Zong HZ, Zhang Q, Guccione E, Lu-En W, Koh S, Hwang W, Chow WC, Bertoletti A. (*contributed equally to this work).	Gastroenterology 2019;156:1862-1876
<u>PANCREAS-KIDNEY TRANSPLANT PROGRAMME</u>			
1.	Human Islet Isolation and Distribution Efforts for Clinical and Basic Research	Ng NHJ, Tan WX, Koh YX, Teo AKK.	OBM Transplantation 2019;3(2):31; doi:10.21926/obm.transplant.1902068
2.	Islet macrophages are associated with islet vascular remodeling and compensatory hyperinsulinemia during diabetes	M Chittechath et al	Am J Physiol Endocrinol Metab. 2019
<u>RENAL TRANSPLANT PROGRAMME</u>			
1.	Addressing bone quality and bone density after renal transplantation: a prospective evaluation of the evolution of trabecular bone score and bone mineral density over the first 5 years following renal transplantation in Asian patients.	Chandran M, Ying H, Kwee AK, Swee DS, Ng D, Kee T, Bharadwaj P.	Clinical Transplantation 2019 Oct; 33(10): e13671. doi: 10.1111/ctr.13671.
2.	Desmopressin for the prevention of bleeding in percutaneous kidney biopsy: efficacy and hyponatraemia.	Lim CC, Siow B, Choo JCJ, Chawla M, Chin YM, Kee T, Lee PH, Foo M, Tan CS.	Int Uro Nephrol 2019; 51(6): 995-1004. doi: 10.1007/s11255-019-02155-9.
3.	Incidence, risk factors and outcomes of malignancies after kidney transplantation – a 12 year experience.	Teo SH, Lee KG, Lim HG, Koo SX, Ramirez ME, Chow KY, Kee T.	Singapore Med J 2019; 60: 253-259.
4.	The use of intravesical cidofovir for the treatment of adenovirus associated hemorrhagic cystitis in a kidney transplant recipient.	Ho QY, Tan CS, Thien SY, Kee T, Chlebicki MP.	Clin Kidney J 2019; 12: 745-747.