

ASSOC PROF Tan Beng Choon, Keson

Dean's Office (Dentistry), DENTISTRY

Total Publications: 57

Journal Article (53)

- 1 Phang, Z. Y., Quek, S. H. Q., Teoh, K. H., Tan, K. B. C., & Tan, K. (2020). A Retrospective Study on the Success, Survival, and Incidence of Complications of Post-Retained Restorations in Premolars Supporting Fixed Dental Prostheses with a Mean of 7 Years in Function. *INTERNATIONAL JOURNAL OF PROSTHODONTICS*, 33(2), 176-183. doi:[10.11607/ijp.6090](https://doi.org/10.11607/ijp.6090)
- 2 Maria, R., Tan, M. Y., Wong, K. M., Lee, B. C. H., Chia, V. A. P., & Tan, K. B. C. (2020). Accuracy of Implant Analogs in 3D Printed Resin Models. *JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE DENTISTRY*, 8 pages. doi:[10.1111/jopr.13217](https://doi.org/10.1111/jopr.13217)
- 3 Tan, S. Y., Yu, V. S. H., Lim, K. C., Tan, B. C. K., Neo, C. L. J., Shen, L., & Messer, H. H. (2020). Long-term Pulpal and Restorative Outcomes of Pulpotomy in Mature Permanent Teeth. *JOURNAL OF ENDODONTICS*, 46(3), 383-390. doi:[10.1016/j.joen.2019.11.009](https://doi.org/10.1016/j.joen.2019.11.009)
- 4 Wong, J. L., Tan, K. B. C., Teoh, K. H., & Sim, C. P. C. (2020). Spectrophotometric and Visual Evaluation of Maxillary Anterior Implant Crowns and Peri-implant Soft Tissues: A Retrospective Study. *INTERNATIONAL JOURNAL OF PROSTHODONTICS*, 33(3), 277-284. doi:[10.11607/ijp.6526](https://doi.org/10.11607/ijp.6526)
- 5 Tay, K. J., Yap, A. U. -J., Wong, J. C. M., Tan, K. B. C., & Allen, P. F. (2019). Associations between symptoms of temporomandibular disorders, quality of life and psychological states in Asian Military Personnel. *JOURNAL OF ORAL REHABILITATION*, 46(4), 330-339. doi:[10.1111/joor.12751](https://doi.org/10.1111/joor.12751)
- 6 Tan, M. Y., Yee, S. H. X., Wong, K. M., Tan, Y. H., & Tan, K. B. C. (2019). Comparison of Three-Dimensional Accuracy of Digital and Conventional Implant Impressions: Effect of Interimplant Distance in an Edentulous Arch. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 34(2), 366-380. doi:[10.11607/jomi.6855](https://doi.org/10.11607/jomi.6855)
- 7 Tan, M. W. Y., Yap, A. U. -J., Chua, A. P., Wong, J. C. M., Parot, M. V. J., & Tan, K. B. C. (2019). Prevalence of Sleep Bruxism and Its Association with Obstructive Sleep Apnea in Adult Patients: A Retrospective Polysomnographic Investigation. *JOURNAL OF ORAL & FACIAL PAIN AND HEADACHE*, 33(3), 269-277. doi:[10.11607/ofph.2068](https://doi.org/10.11607/ofph.2068)
- 8 Quek, S. H. Q., Yap, A. U. J., Rosa, V., Tan, K. B. C., & Teoh, K. H. (2018). Effect of staining beverages on color and translucency of CAD/CAM composites. *JOURNAL OF ESTHETIC AND RESTORATIVE DENTISTRY*, 30(2), E9-E17. doi:[10.1111/jerd.12359](https://doi.org/10.1111/jerd.12359)
- 9 Wong, K. Y., Esguerra, R. J., Chia, V. A. P., Tan, Y. H., & Tan, K. B. C. (2018). Three-Dimensional Accuracy of Digital Static Interocclusal Registration by Three Intraoral Scanner Systems. *JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE DENTISTRY*, 27(2), 120-128. doi:[10.1111/jopr.12714](https://doi.org/10.1111/jopr.12714)
- 10 Yee, S. H. X., Esguerra, R. J., Chew, A. A. Q., Wong, K. M., & Tan, K. B. C. (2018). Three-Dimensional Static Articulation Accuracy of Virtual Models - Part I: System Trueness and Precision. *JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE DENTISTRY*, 27(2), 129-136. doi:[10.1111/jopr.12723](https://doi.org/10.1111/jopr.12723)
- 11 Yee, S. H. X., Esguerra, R. J., Chew, A. A. Q., Wong, K. M., & Tan, K. B. C. (2018). Three-Dimensional Static Articulation Accuracy of Virtual Models Part II: Effect of Model Scanner-CAD Systems and Articulation Method. *JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE DENTISTRY*, 27(2), 137-144. doi:[10.1111/jopr.12725](https://doi.org/10.1111/jopr.12725)
- 12 Goo, C. L., & Tan, K. B. C. (2017). Fabricating CAD/CAM Implant-Retained Mandibular Bar Overdentures: A Clinical and Technical Overview. *Case Reports in Dentistry*, 2017. doi:[10.1155/2017/9373818](https://doi.org/10.1155/2017/9373818)
- 13 Chia, V. A., Esguerra, R. J., Teoh, K. H., Teo, J. W., Wong, K. M., & Tan, K. B. (2017). In Vitro Three-Dimensional Accuracy of Digital Implant Impressions: The Effect of Implant Angulation. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 32(2), 313-321. doi:[10.11607/jomi.5087](https://doi.org/10.11607/jomi.5087)

- 14 Chew, A. A., Esguerra, R. J., Teoh, K. H., Wong, K. M., Ng, S. D., & Tan, K. B. (2017). Three-Dimensional Accuracy of Digital Implant Impressions: Effects of Different Scanners and Implant Level. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 32(1), 70-80. doi:[10.11607/jomi.4942](https://doi.org/10.11607/jomi.4942)
- 15 Goo, C. L., Yap, A. U. J., Tan, K. B. C., & Fawzy, A. S. (2016). Effect of Polishing Systems on Surface Roughness and Topography of Monolithic Zirconia. *OPERATIVE DENTISTRY*, 41(4), 417-423. doi:[10.2341/15-064-L](https://doi.org/10.2341/15-064-L)
- 16 Lim, K., Yap, A. U. -J., Agarwalla, S. V., Tan, K. B. -C., & Rosa, V. (2016). Reliability, failure probability, and strength of resin-based materials for CAD/CAM restorations. *JOURNAL OF APPLIED ORAL SCIENCE*, 24(5), 447-452. doi:[10.1590/1678-775720150561](https://doi.org/10.1590/1678-775720150561)
- 17 Ng, S. D., Tan, K. B., Teoh, K. H., Cheng, A. C., & Nicholls, J. I. (2014). Three-Dimensional Accuracy of a Digitally Coded Healing Abutment Implant Impression System. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 29(4), 927-936. doi:[10.11607/jomi.3433](https://doi.org/10.11607/jomi.3433)
- 18 Teo, J. W., Tan, K. B., Nicholls, J. I., Wong, K. M., & Uy, J. (2014). Three-Dimensional Accuracy of Plastic Transfer Impression Copings for Three Implant Systems. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 29(3), 577-584. doi:[10.11607/jomi.3382](https://doi.org/10.11607/jomi.3382)
- 19 Tan, M. Y., Ung, J. Y., Low, A. H. Y., Tan, E. E., & Tan, K. B. C. (2014). THREE-DIMENSIONAL REPOSITIONING ACCURACY OF SEMIADJUSTABLE ARTICULATOR CAST MOUNTING SYSTEMS. *JOURNAL OF PROSTHETIC DENTISTRY*, 112(4), 932-941. doi:[10.1016/j.prosdent.2014.02.005](https://doi.org/10.1016/j.prosdent.2014.02.005)
- 20 Seetoh, Y. L., Tan, K. B., Chua, E. K., Quek, H. C., & Nicholls, J. I. (2011). Load Fatigue Performance of Conical Implant-Abutment Connections. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 26(4), 797-806. Retrieved from <http://gateway.webofknowledge.com/>
- 21 Yu, V. S. H., Messer, H. H., & Tan, K. B. (2011). Multiple idiopathic cervical resorption: case report and discussion of management options. *INTERNATIONAL ENDODONTIC JOURNAL*, 44(1), 77-85. doi:[10.1111/j.1365-2591.2010.01820.x](https://doi.org/10.1111/j.1365-2591.2010.01820.x)
- 22 Lee, F. K., Tan, K. B., & Nicholls, J. I. (2010). Critical Bending Moment of Four Implant-Abutment Interface Designs. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 25(4), 744-751. Retrieved from <http://gateway.webofknowledge.com/>
- 23 Baig, M. R., Tan, K. B. -C., & Nicholls, J. I. (2010). EVALUATION OF THE MARGINAL FIT OF A ZIRCONIA CERAMIC COMPUTER-AIDED MACHINED (CAM) CROWN SYSTEM. *JOURNAL OF PROSTHETIC DENTISTRY*, 104(4), 216-227. doi:[10.1016/S0022-3913\(10\)60128-X](https://doi.org/10.1016/S0022-3913(10)60128-X)
- 24 Deng, B., Tan, K. B. C., Lu, Y., Zaw, K., Zhang, J., Liu, G. R., & Geng, J. P. (2009). Inverse identification of elastic modulus of dental implant-bone interfacial tissue using neural network and FEA model. *INVERSE PROBLEMS IN SCIENCE AND ENGINEERING*, 17(8), 1073-1083. doi:[10.1080/17415970903063151](https://doi.org/10.1080/17415970903063151)
- 25 Nguyen, H. Q., Tan, K. B., & Nicholls, J. I. (2009). Load Fatigue Performance of Implant-Ceramic Abutment Combinations. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 24(4), 636-646. Retrieved from <http://gateway.webofknowledge.com/>
- 26 Zaw, K., Liu, G. R., Deng, B., & Tan, K. B. C. (2009). Rapid identification of elastic modulus of the interface tissue on dental implants surfaces using reduced-basis method and a neural network. *JOURNAL OF BIOMECHANICS*, 42(5), 634-641. doi:[10.1016/j.jbiomech.2008.12.001](https://doi.org/10.1016/j.jbiomech.2008.12.001)
- 27 Leong, E. W. J., Tan, K. B. C., Nicholls, J. I., Chua, E. K., Wong, K. M., & Neo, J. C. L. (2009). THE EFFECT OF PREPARATION HEIGHT AND LUTING AGENT ON THE RESISTANCE FORM OF CEMENTED CAST CROWNS UNDER LOAD FATIGUE. *JOURNAL OF PROSTHETIC DENTISTRY*, 102(3), 155-164. doi:[10.1016/S0022-3913\(09\)60137-2](https://doi.org/10.1016/S0022-3913(09)60137-2)
- 28 Deng, B., Tan, K. B., Liu, G. R., & Lu, Y. (2008). Influence of Osseointegration Degree and Pattern on Resonance Frequency in the Assessment of Dental Implant Stability Using Finite Element Analysis. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 23(6), 1082-1088. Retrieved from <http://gateway.webofknowledge.com/>

- 29 Quek, H. C., Tan, K. B., & Nicholls, J. I. (2008). Load fatigue performance of four implant-abutment interface designs: Effect of torque level and implant system. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 23(2), 253-262. Retrieved from <http://gateway.webofknowledge.com/>
- 30 Kishen, A., Tan, K. B. C., & Asundi, A. (2006). Digital moire interferometric investigations on the deformation gradients of enamel and dentine: An insight into non-carious cervical lesions. *JOURNAL OF DENTISTRY*, 34(1), 12-18. doi:[10.1016/j.jdent.2005.02.008](https://doi.org/10.1016/j.jdent.2005.02.008)
- 31 Quek, C. E., Tan, K. B., & Nicholls, J. I. (2006). Load fatigue performance of a single-tooth implant abutment system: Effect of diameter. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 21(6), 929-936. Retrieved from <http://gateway.webofknowledge.com/>
- 32 Uy, J. N., Lian, J. N. C., Nicholls, J. I., & Tan, K. B. C. (2006). Load-fatigue performance of gold crowns luted with resin cements. *JOURNAL OF PROSTHETIC DENTISTRY*, 95(4), 315-322. doi:[10.1016/j.prosdent.2006.01.016](https://doi.org/10.1016/j.prosdent.2006.01.016)
- 33 Tan, K. B. C., & Keng, S. B. (2005). Dental education in Singapore - From the past to the future. *ANNALS ACADEMY OF MEDICINE SINGAPORE*, 34(6), 196C-201C. Retrieved from <http://gateway.webofknowledge.com/>
- 34 Koh, D., Lim, M. K., Chia, S. E., Ko, S. M., Qian, F., Ng, V., . . . Fones, C. (2005). Risk perception and impact of Severe Acute Respiratory Syndrome (SARS) on work and personal lives of healthcare workers in Singapore - What can we learn?. *MEDICAL CARE*, 43(7), 676-682. doi:[10.1097/01.mlr.0000167181.36730.cc](https://doi.org/10.1097/01.mlr.0000167181.36730.cc)
- 35 Tan, B. F., Tan, K. B., & Nicholls, J. I. (2004). Critical bending moment of implant-abutment screw joint interfaces: Effect of torque levels and implant diameter. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 19(5), 648-658. Retrieved from <http://gateway.webofknowledge.com/>
- 36 Yap, A. U. J., Chua, E. K., & Tan, K. B. C. (2004). Depressive symptoms in Asian TMD patients and their association with non-specific physical symptoms reporting. *JOURNAL OF ORAL PATHOLOGY & MEDICINE*, 33(5), 305-310. doi:[10.1111/j.0904-2512.2004.00135.x](https://doi.org/10.1111/j.0904-2512.2004.00135.x)
- 37 Geng, J. P., Xu, W., Tan, K. B. C., & Liu, G. R. (2004). Finite element analysis of an osseointegrated stepped screw dental implant. *Journal of Oral Implantology*, 30(4), 223-233. doi:[10.1563/0654.1](https://doi.org/10.1563/0654.1)
- 38 Geng, J. P., Ma, Q. S., Xu, W., Tan, K. B. C., & Liu, G. R. (2004). Finite element analysis of four thread-form configurations in a stepped screw implant. *JOURNAL OF ORAL REHABILITATION*, 31(3), 233-239. doi:[10.1046/j.0305-182X.2003.01213.x](https://doi.org/10.1046/j.0305-182X.2003.01213.x)
- 39 Yap, A. U. J., Chua, E. K., Tan, K. B. C., & Chan, Y. H. (2004). Relationships between depression/somatization and self-reports of pain and disability. *JOURNAL OF OROFACIAL PAIN*, 18(3), 220-225. Retrieved from <http://gateway.webofknowledge.com/>
- 40 Yap, A. U. J., Dworkin, S. F., Chua, E. K., List, T., Tan, K. B. C., & Tan, H. H. (2003). Prevalence of temporomandibular disorder subtypes, psychologic distress, and psychosocial dysfunction in Asian patients. *JOURNAL OF OROFACIAL PAIN*, 17(1), 21-28. Retrieved from <http://gateway.webofknowledge.com/>
- 41 Yap, A. U. J., Tan, K. B. C., Prosthodont, C., Chua, E. K., & Tan, H. H. (2002). Depression and somatization in patients with temporomandibular disorders. *JOURNAL OF PROSTHETIC DENTISTRY*, 88(5), 479-484. doi:[10.1067/mp.2002.129375](https://doi.org/10.1067/mp.2002.129375)
- 42 Yap, A. U. J., Chua, E. K., Dworkin, S. F., Tan, H. H., & Tan, K. B. C. (2002). Multiple pains and psychosocial functioning/psychologic distress in TMD patients. *INTERNATIONAL JOURNAL OF PROSTHODONTICS*, 15(5), 461-466. Retrieved from <http://gateway.webofknowledge.com/>
- 43 Tan, K. B., & Nicholls, J. I. (2002). The effect of 3 torque delivery systems on gold screw preload at the gold cylinder-abutment screw joint. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 17(2), 175-183. Retrieved from <http://gateway.webofknowledge.com/>
- 44 Geng, J. P., Tan, K. B. C., & Liu, G. R. (2001). Application of finite element analysis in implant dentistry: A review of the literature. *JOURNAL OF PROSTHETIC DENTISTRY*, 85(6), 585-598. doi:[10.1067/mp.2001.115251](https://doi.org/10.1067/mp.2001.115251)

- 45 Tan, K. B., & Nicholls, J. I. (2001). Implant-abutment screw joint preload of 7 hex-top abutment systems. *INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS*, 16(3), 367-377. Retrieved from <http://gateway.webofknowledge.com/>
- 46 Yap, A. U. J., Tan, K. B. C., Hoe, J. K. E., Yap, R. H. C., & Jaffar, J. (2001). On-line computerized diagnosis of pain-related disability and psychological status of TMD patients: a pilot study. *JOURNAL OF ORAL REHABILITATION*, 28(1), 78-87. doi:[10.1046/j.1365-2842.2001.00632.x](https://doi.org/10.1046/j.1365-2842.2001.00632.x)
- 47 Yap, A. U. J., Tan, K. B. C., & Bhole, S. (1997). Comparison of aesthetic properties of tooth-colored restorative materials. *OPERATIVE DENTISTRY*, 22(4), 167-172. Retrieved from <http://gateway.webofknowledge.com/>
- 48 Tan, K. B. C., Loh, F. C., & Loh, K. K. (1996). Use of a modified ear face-bow for surgical stent location during ear implant placement: A clinical report. *JOURNAL OF PROSTHETIC DENTISTRY*, 75(2), 117-121. doi:[10.1016/S0022-3913\(96\)90086-4](https://doi.org/10.1016/S0022-3913(96)90086-4)
- 49 Yap, A. U. J., Bhole, S., & Tan, K. B. C. (1995). Shade match of tooth-colored restorative materials based on a commercial shade guide. *Quintessence International*, 26(10), 697-702.
- 50 Tan, K. B. (1995). The clinical significance of distortion in implant prosthodontics: is there such a thing as passive fit?. *Annals of the Academy of Medicine, Singapore*, 24(1), 138-157.
- 51 Tan, K. B. (1995). The use of multiplanar reformatting computerised tomography in the surgical-prosthodontic planning of implant placement.. *Annals of the Academy of Medicine, Singapore*, 24(1), 68-75.
- 52 Tan, K. B., Rubenstein, J. E., Nicholls, J. I., & Yuodelis, R. A. (1993). Three-dimensional analysis of the casting accuracy of one-piece, osseointegrated implant-retained prostheses. *International Journal of Prosthodontics*, 6(4), 346-363.
- 53 LOH, F. C., TAN, K. B. C., & TAN, K. (1991). AUDITORY-CANAL HEMORRHAGE FOLLOWING MANDIBULAR CONDYLAR FRACTURE. *BRITISH JOURNAL OF ORAL & MAXILLOFACIAL SURGERY*, 29(1), 12-13. doi:[10.1016/0266-4356\(91\)90165-2](https://doi.org/10.1016/0266-4356(91)90165-2)

Book Chapter (4)

2 Authored

- 54 Geng, J., Xu, W., Tan, K. B. C., Ma, Q. S., Huang, H. M., Lee, S. Y., . . . Zhao, Y. (2008). Applications to implant dentistry. In *Advanced Topics in Science and Technology in China* (pp. 61-80). doi:[10.1007/978-3-540-73764-3_3](https://doi.org/10.1007/978-3-540-73764-3_3)
- 55 Geng, J., Yan, W., Xu, W., Tan, K. B. C., Huang, H. M., Lee, S. Y., . . . Chen, J. (2008). Finite element modelling in implant dentistry. In *Advanced Topics in Science and Technology in China* (pp. 81-91). doi:[10.1007/978-3-540-73764-3_4](https://doi.org/10.1007/978-3-540-73764-3_4)

2 Contributed to

- 56 Yap, A. U. J., Chua, E. K., Dworkin, S., Tan, H. H., & Tan, B. C. (2002). Dolori multipli e funzionamento psicosociale / stree psicologico in pazienti TMD. In *La Rivista Internazionale di Odontoiatria Protesica* (pp. 461-466).
- 57 Yap, A., Bhole, S., & Tan, B. C. (1997). Shade match of tooth-colored restorative materials based on a commercial shade guide. In *Year Book of Dentistry* (pp. 28).