STAFF: CHEW CHONG LIN

DEPT : RESTORATIVE DENTISTRY

### JOURNAL ARTICLES - INTERNATIONAL REFEREED

- 1 Osborne, J W, E N Gale, C L Chew, B F Rhodes and R W Philips, Clinical performance and physical properties of twelve amalgam alloys. Journal of Dental Research, 57 (1978): 983-988. (United States).
- 2 Chew, C L, Movements of maxillary complete denture a Kineisographic study. Journal of Dentistry, 11 (1983): 257-263. (United Kingdom).
- 3 Chew, C L, R W Phillips, M E Boone and M L Swartz, Denture stabilisation with adhesives a Kineisographic study. Compendium of Continuing Education in Dentistry, Suppl, no. 4 (1984): 32-38. (United States).
- 4 Chew, C L and P H Tan, Torus palatinus a clinical study. Australian Dental Journal, 29 (1984): 245-248. (Australia).
- 5 Chew, C L, R W Phillips, M E Boone and M L Swartz, Denture adhesives, their effects on denture retention and stability. Journal of Dentistry, 13 (1985): 152-159. (United Kingdom).
- 6 Chew, C L, The acid-etched fixed partial denture a two-year report. Journal of Prosthetic Dentistry, 54 (1985): 173-175. (United States).
- 7 Lucas, P W, R K K Ow, G M Ritchie, C L Chew and S B Keng, Relationship between jaw movement and food breakdown in human mastication. Journal of Dental Research, 65 (1986): 400-404. (United States).
- 8 Lucas, P W, D A Luke, F C T Voon, C L Chew and R K K Ow, Food breakdown pattern produced by human subjects possessing artificial and natural teeth. Journal of Oral Rehabilitation, 13 (1986): 205-214. (United Kingdom).
- 9 Chew, C L, P W Lucas, D K L Tay, S B Keng and R K K Ow, The effect of food texture on the replication of jaw movements in mastication. Journal of Dentistry, 16, no.5 (1988): 210-214. (United Kingdom).
- 10 Chew, C L, G Soh, A S Lee and T S Yeoh, Comparsion of release of mercury from three dental amalgams. Dental Materials, 5 (1989): 244-246. (United States).
- 11 Chew, C L, Retention of denture adhesives an in vitro study. Journal of Oral Rehabilitation, 17 (1990): 425-434. (United Kingdom).
- 12 Chew, C L, R D Norman and G P Stewart, Mechanical properties of metal-ceramic alloys at high temperature. Dental Materials, no.6 (1990): 223-227. (United States).
- 13 Lew, K K K, C L Chew and K W Lee, A comparison of sheer bond strength between new and recycled ceramic brackets. European Journal of Orthodontics, 13 (1991): 306-310. (United Kingdom).

- - 14 Soh, G, C L Chew, A S Lee and T S Yeoh, Significance of hydrogen ion concentration on the dissolution of mercury from dental amalgam. Quintessence International, 22 (1991): 225-228. (United States).
  - 15 Soh, G, C L Chew, A S Lee and T S Yeoh, Long-term dissolution of mercury from a non-mercury-releasing amalgam. Clinical Preventive Dentistry, 13, no.3 (1991): 5-7.
  - 16 Soh, G, C L Chew, A S Lee and T S Yeoh, Thermal effect of the dissolution of mercury from two dental amalgams. Journal of Oral Rehabilitation, 18 (1991): 179-183. (United Kingdom).
  - 17 Jeganathan, S and C L Chew, Denture stomatitis A review of the aetiology, diagnosis and management. Australian Dental Journal, 37, no.2 (1992): 107-114.
  - 18 Lew, K K K, J C L Neo and C L Chew, Shear bond strength of metal brackets to enamel using Panavia - An in-vitro study. Clinical Materials, 12, no.2 (1993): 89-93. (United States).
  - 19 Chew, C L, Chee W W L and Donovan T, The influence of temperature on the dimensional stability of poly (vinyl-siloxane) impression materials. International Journal of Prosthodontics, 6, no. 6 (1993): 528-532. (United States).
  - 20 Neo, J C L, C L Chew, A U J Yap and Sharanbir K Sidhu, Clinical evaluation of tooth-colored materials in cervical lesions. American Journal of Dentistry, 9, no. 1 (1996): 15-18. (United States).
  - 21 Neo, J C L and C L Chew, Direct tooth colored materials for noncarious lesions - A three-year clinical report. Quintessence International, 27, no. 3 (1996): 183-188. (United States).
  - 22 Thean, H P Y, C L Chew and K I Goh, Shear bond strength of denture teeth to base. A comparative study. Quintessence International, 27, no. 6 (1996): 425-428. (United States).
  - 23 Thean, H P Y, C L Chew, R D Norman and K I Goh, An evaluation of bond strengths of denture repair resins by a torsional method. Australian Dental Journal, 43, 1 (1998): 5-8. (Australia).
  - 24 Chew, C L, M F Land, C C Thomas and R D Norman, Investment strength as a function of time and temperature. Journal of Dentistry, 27 (1999): 297-302. (United Kingdom).
  - 25 Ramakrishna, S, Z M Huang, S H Teoh, A A O Tay and C L Chew, Application of leaf and glaskin's model for estimating the 3D elastic properties of knittted fabric reinforced composites. Journal of the Textile Institute, 91, no. 1 (2000): 132-150. (United Kingdom). (Composites).
  - 26 Neo, J C L, C L Chew, J W Osborne and D B Mahler, Clinical evaluation and microstructural analysis of a direct placement gallium restorative alloy. Journal of Dentistry, 28 (2000): 123-129. (United Kingdom).

- - 27 Thean, H P Y, B Y Y Mok and C L Chew, Bond strengths of glass ionomer restorative to primary vs permanent dentin. Journal of Dentistry for Children, 67 (2000): 112-116. (United States).
  - 28 Yap, A U J, C L Chew, S H Teoh and L F K L Ong, Influence of contact stress on OCA Wear of Composite Restoratives. Operative Dentistry, 26, 2 (2001): 134-144. (United States).
  - 29 Yap, A U J, S Mudambi, C L Chew and J C L Neo, Mechanical properties of an improved visible-light-cured resin-modified glass ionomer cement. Operative Dentistry, 26 (2001): 295-301. (United States).
  - 30 Yap, A U J, C L Chew, L F K L Ong and S H Teoh, Environmental damage and occlusal contact area wear of composite resins. Journal of Oral Rehabilitation, 29, 1 (January 2002): 87-97. (United Kingdom).
  - 31 Yap, A U J, S H Teoh and C L Chew, Effects of cyclic loading on Occlusal Contact Area of composite restoratives. Dental Materials, 18, 2 (2002): 149-158. (United Kingdom).
  - 32 Chou, A, V SAE-LIM, T M Lim, J T Schantz, S H Teoh, C L Chew and D Hutmacher, Culturing and characterization of human periodontal ligament fibroblasts - a preliminary study. Materials Science and Engineering, 20 (2002): 77-83.
  - 33 Yap, A U J, K C Shah and C L Chew, Marginal gap formation of composites in dentin : effect of water storage. Journal of Oral Rehabilitation, 30, 3 (2003): 236-242. (United Kingdom).
  - 34 Huang, Z M, R Gopal, K FUJIHARA, S Ramakrishna, P L Loh, K W C Foong, V K GANESH and C L Chew, Fabrication of a new composite orthodontic archwire and validation by a bridging micromechanics model. Biomaterials, 24 (2003): 2941-2953. (United Kingdom).

## ACCEPTED FOR PUBLICATION

35 FUJIHARA, K, K Teo, R Gopal, P L Loh, V K GANESH, S Ramakrishna, K W C Foong and C L Chew, Fibrous composite materials in dentistry and orthopedics: Review & applications. Composites Science and Technology.

## SUBMITTED FOR PUBLICATION

- 36 Ganesh, V R, S Ramakrishna, P L Loh and C L Chew, Fabrication and properties of functionally graded composite rod for dental post application. Journal of Dental Materials.
- 37 Ganesh, V R, S Ramakrishna, P L Loh and C L Chew, Functionally graded composite rod for dental post: A performance study. Journal of Dental Research.
- 38 Loh, P L, V K GANESH, C L Chew and S Ramakrishna, Functionally graded composite dental post : A performance study. Indian Journal of Dental Research.

#### JOURNAL ARTICLES - LOCAL/REGIONAL REFEREED

- 1 Chew, C L and C S Teo, Present status of amalgam. Singapore Dental Journal, 4, no.1 (May 1979): 21-27. (Singapore).
- 2 Chew, C L, A simple approach to full dentures. Singapore Dental Journal, 5 (1980): 51-54. (Singapore).
- 3 Chew, C L, A simple anterior bridge. Singapore Dental Journal, 6 (1981): 39-42. (Singapore).
- 4 Chew, C L, Dimensional stability of two impression materials. Annals of Academy of Medicine Singapore, 15 (1986): 326-329. (Singapore).
- 5 Chew, C L and P H Tan, Flange design in partial dentures. Annals of Academy of Medicine Singapore, 18, no.5 (1989): 560-563. (Singapore).
- 6 Loh, P L and C L Chew, Interocclusal distance in patients with different skeletal patterns. Singapore Dental Journal, 20 (1995): 4-7. (Singapore).

#### SUBMITTED FOR PUBLICATION

7 Ganesh, V K, S Ramakrishna, P L Loh and C L Chew, Functionally gradient textile composites for dental applications. Material Science Research International.

# JOURNAL ARTICLES - NON-REFEREED

1 Chew, C L, Dentistry in West Malaysia. Indiana University, School of Dentistry, Alumni Bulletin (1976): 15-17. (United States).

### CONFERENCE PAPERS

- 1 Chew, C L, The missing anterior tooth. Paper presented at APDSA Congress, 1982, Singapore.
- 2 Chew, C L, Acid-etch bridge a two-year report. In MDA/SDA Congress, Singapore, pp. 78-80, 1983.
- 3 Chew, C L, Denture stablisation with adhesives. Paper presented at Compendium of Continuing Education in Dentistry, University of Pennyslvania, 1984.

- 4 Osborne, J W, S J Friedman, C L Chew and B N Gale, Clinical performance of twelve amalgam alloys A twelve month report (Abstract). Journal of Dental Research, 64, Special Issue (1985): 246. (Paper presented at International Association for Dental Research Meeting, March 1985, United States). (Abstract No. 644).
- 5 Lucas, P W, G M Ritchie, C L Chew and R K K Ow, Chewing as a mechanical activity. Paper presented at 2nd Symposium of Biomedical Engineering, March 1985, Singapore.
- 6 Chew, C L, Fundamentals of precision attachments. Paper presented at Symposium on Precision Attachments, Academy of Medicine, Chapter of Dental Surgeons, July 1985.
- 7 Chew, C L, Posterior composites an update. Paper presented at 2nd Scientific Meeting of the Chapter of Dental Surgeons, Academy of Medicine, Singapore, October 1986, Singapore.
- 8 Chew, C L, Partial dentures, their damaging effects. Paper presented at Scientific Meeting of 33rd International Association of Dental Students, 1986, Singapore.
- 9 Norman, R D, G P Stewart, J S Gephart, C L Chew and T A Roberts, Shear strength and microleakage comparison of 17 dentin bonding agents (Abstract). Journal of Dental Research, 64 (1987): 292. (Paper presented at Annual Meeting, International Association for Dental Research, March 1987, United States). (Abstract No. 1487).
- 10 Chew, C L, Posterior composites should they be used? Paper presented at 4th MDA Scientific Congress, April 1987.
- 11 Lucas, P W, C L Chew, S B Keng, R K K Ow and D K L Tay, Factors affecting jaw movements in mastication. Paper presented at Seminar on Basic and Applied Medical Research, July 1987, Singapore.
- 12 Soh, G, C L Chew, A S Lee and T S Yeoh, Mercury release from two dental amalgams. Paper presented at 5th Malaysian Dental Association Scientific Congress, April 1988, Penang, Malaysia.
- 13 Chew, C L, Dental implants Oral hygiene aspects. Paper presented at 5th International Implant Symposium, Asian Implant Academy, 18-19 June 1988, Japan.
- 14 Chew, C L, G Soh, T S Yeoh and A S Lee, Mercury release from dental amalgams (Abstract). Journal of Dental Research, 68 (1989): 740. (Paper presented at 3rd Scientific Meeting of the IADR (South-East Asian Division), 8-10 September 1988, Hong Kong). (Abstract No. 29).
- 15 Chew, C L, Oral hygiene and dental implants. Paper presented at Combined Meeting of Faculty of Dentistry (Singapore) and University of Lund (Sweden), January 1989, Singapore.
- 16 Osborne, J W, R D Norman, C L Chew, J Setcos and K William, Long term clinical assessment of amalgam restorations (Abstract). Journal of Dental Research, 68, Special Issue (1989). (Paper presented at 18th Annual Session American Association for Dental Research, 15-19 March 1989, United States). (Abstract No. 57).

- 17 Chew, C L, R D Norman and G P Stewart, Properties of metal-ceramic alloys at high temperatures (Abstract). Journal of Dental Research, 68, Special Issue (1989). (Paper presented at 18th Annual Session American Association for Dental Research, 15-19 March 1989, United States). (Abstract No. 969).
- 18 Osborne, J W, R D Norman, C L Chew, P K Osborne and J Setcos, Clinical evaluation of 9 high copper amalgasm: A 13-year assessment (Abstract). Journal of Dental Research, 68, Special Issue (1989): 996. (Paper presented at Annual Meeting International Association for Dental Research, June 1989, Ireland). (Abstract No. 1045).
- 19 Chew, C L, Aesthetic dental materials. Paper presented at APDSA Congress, August 1989, Malaysia.
- 20 Chew, C L, Postgraduate dental education in Singapore. Paper presented at Diamond Jubilee Celebrations, Scientific Session, September 1989, Singapore.
- 21 Chew, C L, G Soh, A S Lee and T S Yeoh, Effect of temperature on mercury release from dental amalgams (Abstract). In Journal of Dental Research, pp. 1100. United States, 1990. (Paper presented at 4th Scientific Meeting, IADR (South East Asian Division Meeting), 9 November 1989, Thailand). (Abstract No. 40).
- 22 Soh, G, C L Chew, A S Lee and T S Yeoh, Effect of pH on mercury release from dental amalgams (Abstract). Journal of Dental Research, 39 (1990): 1100. (Paper presented at Fourth Scientific Meeting, IADR (South-East Asian Division), 9 November 1989, Thailand). (Abstract No. 39).
- 23 Loh, T, H S Loh and C L Chew, Future directions of dental health and dental education in Singapore. Paper presented at Workshop on Dental Health and Dental Education, 6-29 March 1990, Tokyo, Japan.
- 24 Neo, J C L and C L Chew, Materials and techniques for abrasion cavities 12 months clinical study (Abstract). Journal of Dental Research, 70, 4 (1991): 656. (Paper presented at IADR 30th Annual Scientific Meeting (Australia and New Zealand), August 1990, Dunedin, New Zealand). (Abstract No. 56).
- 25 Lew, K K K, C L Chew and K W C Foong, SEM Examination of the bonding failure sites in new and recycled ceramic brackets. Journal of Dental Research, 70, 4 (1 April 1991): 862. (Paper presented at 5th Annual Scientific Meeting of the International Association for Dental Research (Southeast Asia Division), 25 September 1990, Marina Mandarin Hotel, Singapore). (Abstract No. 58).
- 26 Lew, K K K, C L Chew and K W C Foong, Bond strength of new recycled ceramic brackets. Paper presented at 78th World Congress (The Singapore Day Symposium Award), 28 September 1990, Westin Stamford Hotel, Singapore. (Runner-up prize).
- 27 Soh, G, C L Chew, A S Lee and T S Yeoh, Mercury release from a new amalgam system: A two-year study. Paper presented at Singapore Day Symposium Award, 78th FDI World Dental Congress, September 1990, Singapore.

- 28 Ow, R K K, K H Ho and C L Chew, Managing fractures of the resilient element in an osteointegrated implant system. Paper presented at Third Annual Convention, Singapore Dental Association, 4-5 May 1991, Singapore.
- 29 Neo, J C L, K K K Lew and C L Chew, Shear bond strength of orthodontic brackets using Panavia (Abstract). Journal of Dental Research, 71, 4 (1992): 1124. (Paper presented at IADR (South-East Asian Division) 6th Scientific Meeting, 19-20 October 1991, Taipei, Taiwan). (Abstract No. 39).
- 30 Chew, C L, W W L Chee and T Donovan, Influence of temperature on the accuracy of impression materials (Abstract). Journal of Dental Research, 71, 4 (1992): 1124. (Paper presented at 6th Annual Meeting of IADR (S E A Division), 19-20 October 1991, Taipei, Taiwan). (Abstract No. 42).
- 31 Chew, C L, The all-ceramic crown (keynote lecture). Paper presented at 49th AGM and Scientific Convention, Malaysian Dental Association, 24-26 April 1992, Kuching, Sarawak, Malaysia.
- 32 Djeng, S K, C L Chew and H M Shang, Extra-oral traction device to produce unilateral movement in orthodontics (Abstract). Journal of Dental Research, 72, 4 (1993): 837. (Paper presented at 7th Annual Scientific Meeting IADR (SEA Division) and 3rd Meeting of SEA Association for Dental Education, 9-11 September 1992, Hong Kong). (Abstract No. 13).
- 33 Chew, C L, R K K Ow, J A B Payne, K H Ho and F C Loh, Dental implants as a solution for problematic prosthetic conditions. Paper presented at First National Convention in Oral and Maxillofacial Surgery, 4 October 1992, Academy of Medicine, Singapore.
- 34 Neo, J C L and C L Chew, 3-Year clinical evaluation of some tooth-coloured restorative materials (Abstract). Journal of Dental Research, 72, Special Issue (1993): 349. (Paper presented at 71st General Session & Exhibition of the IADR, 10-14 March 1993, Chicago, United States). (Abstract No. 1970).
- 35 B., Schemehorn, Henry G., Ball T. and C L Chew, Determining cleaning and abrasion properties of a rotating bristle toothbrush (Abstract). Journal of Dental Research, 72, Special Issue (1993): 413. (Paper presented at 71st General Session and Exhibition of the IADR, 10-14 March 1993, Chicago, United States). (Abstract No. 2481).
- 36 Chew, C L, Postgraduate Education in Singapore. Paper presented at 3rd Meeting of the South East Asian Association of Dental Education, 21 April 1993, Kuala Lumpur, Malaysia. (Invited Speaker).
- 37 Chew, C L, The single tooth implant prosthodontic considerations. Paper presented at 16th International Oral Implant Symposium, 21-22 April 1993, Kuala Lumpur, Malaysia. (Invited Speaker).
- 38 Chew, C L, Dental implants Planning and Prosthodontic considerations. Paper presented at 27th Malaysia-Singapore Congress of Medicine, 11-14 August 1993, Kuala Lumpur, Malaysia. (Invited Speaker).

- 8
- 39 Chew, C L, Clinical Management of Fixed-Removable Complications. Paper presented at Singapore International Dental Exhibition and Conference (SIDEC) 1994, 2-5 June 1994, Singapore. (Invited Speaker).
- 40 Chew, C L, School Dental Service and fluoridation programme in Singapore. Paper presented at ASEAN Meeting on Dental Public Health, 1-2 August 1994, Bandung, Indonesia. (Invited Speaker).
- 41 Chew, C L, Dental Implants Their Role in Dentistry. Paper presented at 21st Asia-Pacific Dental Students' Association Congress (APDSA), 21-27 August 1994, Kuala Lumpur, Malaysia. (Invited Speaker).
- 42 Neo, J C L, C L Chew, A U J Yap and Sharanbir, K Sidhu, A clinical study of anterior tooth coloured restoratives for non carious cervical lesions. Paper presented at First Biennal Meeting, International College of Prosthodontists (Asian Chapter), 3-4 November 1994, Kagoshima, Japan.
- 43 Chew, C L, Dental Materials their impact on clinical practice. Paper presented at Malaysian Dental Association (MDA) 52nd AGM/Scientific Congress, 25-28 May 1995, Kuantan, Pahang, Malaysia. (Invited Speaker).
- 44 Loh, P L, T J Lu and C L Chew, An evaluation of the DCS titan crown (Abstract). Journal of Dental Research, 74 (1995): 421. (Paper presented at 73rd General Session of the International Association for Dental Research, 28 June 1 July 1995, Singapore). (Abstract No. 166).
- 45 Chew, C L, Recent advances in Prosthodontics. Paper presented at 29th Malaysia-Singapore Congress of Medicine, 10-13 August 1995, Kuala Lumpur, Malaysia. (Invited Speaker).
- 46 Chew, C L, Clinical success with dental implants. Paper presented at Oral Implantology Symposium, Hong Kong Society of Oral Implantology, 15-16 January 1996, Hong Kong.
- 47 Chew, C L, Provisionalisation in Dental Implants. Paper presented at 4th National Convention on Oral and Maxillofacial Surgery, 27-28 January 1996, Singapore.
- 48 Chew, C L, Management of the distal extension partial edentulism. Paper presented at Commonwealth Dental Association-Malaysian Dental Association (CDA-MDA) Scientific Congress, 26-30 June 1996, Kuala Lumpur, Malaysia.
- 49 Chew, C L, Provisionalisation in Dental Implants. Paper presented at 3rd Congress of the ICOI Asia Pacific Section, 11-12 January 1997, Hong Kong.
- 50 Chew, C L, C C Thomas, M F land and R D Norman, Investment Strengths as a Function of Time and Temperature (Abstract). Journal of Dental Research, 76, Special Issue (1997). (Paper presented at 75th General Session and Exhibition of the International Association for Dental Research, 19-23 March 1997, Orlando, FL, United States). (Abstract No. 539).

- 51 Thean, H P Y, C L Chew, S H Teoh and K T Tsai, Orthodontic Bonding: A comparative study of shear bond strengths (Abstract). Journal of Dental Research, 76, Special Issue (1997). (Paper presented at 75th General Session and Exhibition of the International Association for Dental Research, 19-23 March 1997, Orlando, FL, United States). (Abstract No. 1415).
- 52 Neo, J C L, C L Chew and J W Osborne, Clinical Evaluation of a Gallium Alloy Sealed with PAAMA 2TM Adhesive (Abstract). Journal of Dental Research, 76, Special Issue (1997). (Paper presented at Interational Association for Dental Research, 19-23 March 1997, Orlando, FL, United States). (Abstract No. 1483).
- 53 Chew, C L, Provisionalisation in Dental Implants. Paper presented at 31st Malaysia-Singapore Congress of Medicine, 20-24 August 1997, Kuala Lumpur, Malaysia.
- 54 Lim, C C, J C L Neo and C L Chew, One year clinical evaluation of five tooth coloured restorative materials (Abstract). Journal of Dental Research, 77, 5 (1998): 1356. (Paper presented at 12th IADR/SEA and 8th SEAADE Meeting, 10-12 September 1997, Phuket, Thailand). (Abstract No. 0-45).
- 55 Huang, Z M, S Ramakrishna, A A O Tay, S H Teoh and C L Chew, A new modelling procedure for estimating the elastic moduli of knitted fabric composites. In Proceedings of the 5th Japan International SAMPE Symposium, pp. 719-724. Yokohama/Japan: Society for the Advancement of Material and Process Engineering, Japan, 1997. (Paper presented at JISSE-5, 28-31 October 1997, Tokyo Big Sight, Tokyo, Japan). (Composites).
- 56 Ganesh, V K, S Ramakrishna, S H Teoh, P L Loh and C L Chew, Stiffness tailored composite dental post. In Proceedings of the 9th International Conference on Biomedical Engineering, 3-6 December 1997, Mandarin Hotel, Singapore, edited by JCH Goh & A Nather, pp. 673-674. Singapore: National University of Singapore, 3 December 1997.
- 57 Mok, B Y Y, H P Y Thean and C L Chew, Bond strength of glass-ionomers to dentin of primary and permanent teeth. Journal of Dental Research, 77, Special Issue B (1998): 787. (Paper presented at 76th Annual General Session of the International Association for Dental Research, 24-27 June 1998, Acropolis Convention Centre, Nice, France). (Abstract No. 1248).
- 58 Neo, J C L, A U J Yap and C L Chew, a One-year clinical evaluation of milled ceramic inlays (Abstract). Journal of Dental Research, 77, Special Issue B (1998): 913. (Paper presented at 76th Annual General Session of the International Association for Dental Research, 24-27 June 1998, Nice, France). (Abstract No. 2251).
- 59 Ong, G H L, J C L Neo and C L Chew, Student exchange programme. Paper presented at 9th 1998 SEAADE Meeting, 1-3 October 1998, Sunway Lagoon, Kuala Lumpur, Malaysia.

- 60 Mudambi, S, A U J Yap, M Li, C L Chew and J C L Neo, Effects of particle-reinforcement on flexural strength of RMGIC (Abstract). Journal of Dental Research, 78 (1999): 1178. (Paper presented at 13th Annual Scientific Meeting for International Association for Dental Research-South-East Asian Division, 2-3 October 1998, Petaling Jaya, Malaysia). (Abstract No. 73).
- 61 Ong, L F K L, A U J Yap, S H Teoh and C L Chew, Biomechanical simulation of bruxing-type wear. Paper presented at Musculoskeletal Bioengineering Symposium, 28 November 1998, Singapore.
- 62 Ganesh, V K, S Ramakrishna, P L Loh and C L Chew, Functionally gradient textile composition for dental applications. In Proceedings of the First Asia-Australation Conference on Composite Materials, pp. 405-1-405-4. Osaka, 1998.
- 63 Ong, L F K L, A U J Yap, S H Teoh and C L Chew, Biomedical simulation of Bruxing-Type wear. Paper presented at 2nd Scientific Meeting of Biomedical Engineering Society, 30 January 1999, Boulevard Hotel, Singapore.
- 64 Zhang, J, V K Ganesh, P L Loh, S Ramakrishna and C L Chew, Effect of cement on the bonding characteristics of composite dental posts. In Proceedings of the ICCE/6, edited by H David, pp. 947-948, 1999. (Paper presented at ICCE Meeting, 2 June 1999, Florida, United States).
- 65 Loh, P L and C L Chew, Clinical evaluation of the DCS Titan crown (Abstract). Journal of Dental Research, 79, 5 (2000): 1323. (Paper presented at 14th Annual Scientific Meeting, International Association for Dental Research South East Asian Division, 27-29 September 1999, Singapore). (Abstract No. 57).
- 66 Loh, P L, K Ravi, V K Ganesh, S Ramakrishna and C L Chew, Moisture absorption of carbon reinforced resin posts (Abstract). Journal of Dental Research, 79, 5 (2000): 1317. (Paper presented at 14th Annual Scientific Meeting, International Association for Dental Research Southeast Asian Division, 27-29 September 1999, Singapore). (Abstract No. 11).
- 67 Yap, A U J, C L Chew, L F K L Ong and S H Teoh, OCA Wear of Composite Resins: Influence of Contact Stress (Abstract). Journal of Dental Research, 79 (2000): 1319. (Paper presented at 14th Annual Scientific Meeting of International Association for Dental Research (South-East Asian Division), 27-29 September 1999, Singapore). (Abstract No. 28).
- 68 Yap, A U J, L F K L Ong, C L Chew and S H Teoh, Effects of food-simulating liquids on composite wear (Abstract). Journal of Dental Research, 79 (2000): 1328. (Paper presented at 14th Annual Scientific Meeting of International Association for Dental Research (South-East Asian Division), 27-29 September 1999, Singapore). (Abstract No. 99).

- 69 Zhang, J, V K Ganesh, P L Loh, S Ramakrishna and C L Chew, Study of bending properties of interfaces between resinous cements and dental posts. In Proceedings of the International Workshop on Fracture Mechanics and Advanced Engineering Materials, 8-10 December 1999, Sydney, Australia, edited by Y E Lin and Y W Mai, pp. 435-442, 1999. (BioComposites).
- 70 Neo, J C L, H Ho and C L Chew, Clinical evaluation of a universal composite containing fluoride in posterior teeth (Abstract). Journal of Dental Research, 79 (2000): 164. (Paper presented at 78th General Session for the International Association for Dental Research, 5-8 April 2000, Washington DC, United States). (Abstract No. 161).
- 71 Brunton, P A, V Gordon, J C L Neo, M A Wilson, C L Chew, I A Mjor and N H F Wilson, Three-centre clinical evaluation of a novel universal resin composite (Abstract). Journal of Dental Research, 79 (2000): 162. (Paper presented at 78th General Session of the International Association for Dental Research, 5-8 April 2000, Washington DC, United States). (Abstract No. 155).
- 72 Yap, A U J, S H Teoh and C L Chew, Effects of cyclic loading on occlusal contact area wear of composite restoratives. In Proceedings of the 10th International Conference on Biomedical Engineering, edited by JCH Goh, pp. 323-324. Singapore: National University of Singapore, 2000. (Paper presented at 10th International Conference on Biomedical Engineering, 6-9 December 2000, Singapore).
- 73 Yap, A U J, KEC Wee, S H Teoh and C L Chew, Influence of thermal fatigue on OCA wear of composite restoratives. In Proceedings of the 10th International Conference on Biomedical Engineering, edited by JCH Goh, pp. 325-326. Singapore: National University of Singapore, 2000. (Paper presented at 10th International Conference on Biomedical Engineering, 6-9 December 2000, Singapore).
- 74 Chew, C L, Use of implants in Dentistry. Paper presented at FDI-Beijing Stomatological Society, April 2001, Beijing, China.
- 75 Ho, K H, Tong Cao, C L Chew, Dietmar Werner Hutmacher, Thomas Kiefer, Jan-Thorsten Schantz, Kee Woei Ng and Swee Hin Teoh, Tissue-engineered bone formation in an implant-scaffold construct. Paper presented at 15th International Conference on Oral & Maxillofacial Surgery, 19-24 May 2001, Durban, South Africa.
- 76 Cao, Tong, K H Ho, C L Chew, Thomas Kiefer, Dietmar Werner Hutmacher, Kee Woei Ng, Jan-Thorsten Schantz and Swee Hin Teoh, Tissue engineering of osteochondral tissue/scaffold constructs for the repair of mandibular condyles. Paper presented at 15th International Conference on Oral & Maxillofacial Surgery, 19-24 May 2001, Durban, South Africa.
- 77 Cao, Tong, K H Ho, C L Chew, Thomas Kiefer, Dietmar Werner Hutmacher, Jan-Thorsten Schantz, Kee Woei Ng and Swee Hin Teoh, Bone tissue engineering by using porous poly-epsilon-caprolactone scaffold and human bone marrow stromal cells. Paper presented at 15th International Conference on Oral & Maxillofacial Surgery, 19-24 May 2001, Durban, South Africa.

- 78 CAO, T, Hutmacher DW, Ho KH, Kiefer T and C L Chew, Bone tissue engineering by using porous Poly-epsilon-caprolactone scaffold and human bone marrow stromal cells. In Proceedings of 15th International Conference on Oral and Maxillofacial Surgery, 19-26 May 2001, Durban, South Africa, 19 May 2001.
- 79 CAO, T, K H Ho, Hutmacher DW, Kiefer T, C L Chew and Teoh SH, Tissue-engineered bone formation in an implant-scaffold construct. In Proceedings of 15th International Conference on Oral and Maxillofacial Surgery, 19-26 May 2001, Durban, South Africa, 19 May 2001.
- 80 Chou, A, V SAE-LIM, T M Lim, J T Schantz, S H Teoh and C L Chew, Culturing and characterization of human periodontal ligament fibroblasts. Paper presented at Symposium on Tissue Engineering Science, 19-30 May 2001, Greece.
- 81 Chou, A, V SAE-LIM, T M Lim, J T Schantz, S H Teoh, C L Chew and D W HUTMACHER, Preliminary studies on human periodontal ligament fibrolasts and alveolar osteoblasts cultured on foil-scaffold constructs. Paper presented at Symposium on Tissue Engineering Science, 19-30 May 2001, Greece.
- 82 Neo, J C L, C L Chew and A U J Yap, A 4-year clinical evaluation of copy milled ceramic inlays. Paper presented at 79th General Session of the International Association of Dental Research, 27-30 June 2001, Chiba, Japan.
- 83 Mok, B Y Y, J C L Neo and C L Chew, Dyract AP as a Class IV restorative one year evaluation. Paper presented at 79th General Session of the International Association of Dental Research, 29-30 June 2001, Chiba, Japan.
- 84 Yap, A U J, K C Shah and C L Chew, Effect of water storage on dentin marginal gap formation. Paper presented at 79th General Session of the Interantional Association of Dental Research, 29-30 June 2001, Chiba, Japan.
- 85 Seng, L L, K Fujihara, S Ramakrishna, P L Loh, K W C Foong and C L Chew, Invitro torqueing characterisation of orthodontic ceramic and composite brackets. In Proceedings of the International Conference on Materials for Advanced Technologies, pp. 3/6. Singapore, 2001. (Paper presented at ICMAT-2001, 1-6 July 2001).
- 86 Gopal, R, K Sadique, K Fuhihara, P L Loh, K W C Foong, C L Chew and S Ramakrishna, Design and fabrication of FRP composite arch wires alternative to metallic orthodontic wires. ICMAT Abstracts (2001): 316. (Paper presented at International Conference on Materials for Advanced Technologies (ICMAT) 2001, 1-6 July 2001, Singapore).
- 87 Seng, L L, C Y Teo, S E Sadique, K Fujihara, S Ramakrishna, P L Loh, K W C Foong and C L Chew, In vitro torqueing characteristics of orthodontic ceramic and composite brackets. ICMAT Abstracts (2001): 316. (Paper presented at International Conference on Materials for Advanced Technologies (ICMAT) 2001, 1-6 July 2001, Singapore).

- 88 CAO, T, K H Ho, Hutmacher DW, Kiefer T, Harris M, C L Chew, Schantz J-T, Chou AM, Ng KW and Teoh SH, Tissue engineering of osteochondral tissue/scaffold constructs for the repair of mandibular condyles. In Proceedings of International Conference on Materials for Advanced Technologies, 1-6 July 2001, Singapore, 1 July 2001.
- 89 Chou, A, V SAE-LIM, Lim T M, J T Schantz, S H Teoh and C L Chew, Culturing and characterization of human periodontal ligament fibroblasts a prelimary study. In Proceedings of ICMAT 2001, 2001. (Paper presented at International Conference on Materials and Advanced Technologies, July 2001, Singapore). (Abstract No. B10-26).
- 90 CAO, T, K H Ho, D W HUTMACHER, T KIEFER, M Harris, C L Chew, AM Chou, KW Ng and S H Teoh, Tissue Engineering of Osteochondral Composite for Articular Defect Repair (Abstract). In Proceedings of Biomedical Asia 2001, 19 September 2001. (Paper presented at Biomedical Asia 2001, 19-21 September 2001, Singapore).
- 91 CAO, T, K H Ho, Hutmacher DW, Kiefer T, Harris M, C L Chew, Khor HL and Teoh SH, Tissue Engineering of a Scaffold/Dental Implant/Bone Construct. In Proceedings of Biomedical Asia 2001, 19-21 September 2001, Singapore, 19 September 2001.
- 92 Chew, C L, Bonding system: latest and the best. Paper presented at 9th FDI World Dental Congress, 27 September- 1 October 2001, Kuala Lumpur, Malaysia.
- 93 CAO, T, K H Ho, D W HUTMACHER, C L Chew and Swee Hin Teoh, Tissue engineering of a scaffold-implant-bone construct. Paper presented at KI-NUS Life Sciences Symposium, 8-10 February 2002, Singapore.
- 94 CAO, T, K H Ho, D W HUTMACHER, C L Chew and Swee Hin Teoh, Tissue engineering of osteochondral composite for articular defect repair. Paper presented at 2nd Franco-Singapore Biomedical Engineering Symposium, 10-12 June 2002, Lyon, France. (Oral Presentation).
- 95 Chew, C L, Advances in Restorative Dentistry. Paper presented at 1st National Health Group Scientific Meeting, 17 August 2002, Singapore.
- 96 Chew, C L, Dentine Bonding Systems: Newest and the Best. Paper presented at FDI World Congress, 21-28 September 2002, Kuala Lumpur, Malaysia.
- 97 Chew, C L, Use of magnets for implant overdentures: NUS Experience.

  Paper presented at 6th International Symposium on Magnets in
  Dentistry, 19-20 October 2002, Yokohama, Japan.
- 98 Chew, C L, All-Ceramic Restorations. Paper presented at 5th FDI-Indian Dental Association Scientific Meeting, 7-8 December 2002, Goa, India.

## PAPERS FOR SEMINAR, PUBLIC TALK AND LECTURE

1 Chew, C L, Articulators - a review. Paper presented at Update Seminar Orchard Dental Centre, 1986, Singapore. (Invited Guest Speaker).

- 2 Chew, C L, Acid-etched retained bridge. Paper presented at Meeting of the Northern Branch, Malaysian Dental Association, 4 September 1987. (Invited Guest Speaker).
- 3 Chew, C L, Resin-bonded bridge. Paper presented at Meeting of the Southern Branch, Malaysian Dental Association, 26 November 1987. (Invited Guest Speaker).
- 4 Chew, C L, Posterior composites. Paper presented at Meeting of the Southern Branch, Malaysian Dental Association, 6 February 1988. (Invited Guest Speaker).
- 5 Chew, C L, Materials for aesthetic dentistry. Paper presented at Meeting of Southern Branch, Malaysian Association, 18 February 1989. (Invited Guest Speaker).
- 6 Chew, C L, The all-ceramic crown. Paper presented at IX Refreshing Course of the Faculty of Dentistry, University of Indonesia, 2 October 1991, Jakarta, Indonesia. (Invited Guest Speaker).
- 7 Chew, C L, Management of complete edentulisim with dental implants. Paper presented at Congress on Enhancing the professionalism of dentists towards a healthier country, 22-24 October 1992, Semarang, Indonesia. (Invited Speaker).
- 8 Chew, C L, Dental Simulation The Singapore Experience. Paper presented at The Symposium on Dental Simulation, 27-28 February 1995, Dental School, University of Hanoi, Hanoi, Vietnam. (Invited Speaker).
- 9 Chew, C L, Dental Implants for the Partially Edentulous. Paper presented at Malaysian Dental Association, Sabah Section Meeting, 17 March 1995, Sabah, Malaysia. (Invited Speaker).
- 10 Chew, C L, Dental Implants for the Partially Edentulous. Paper presented at Malaysian Dental Association, Kuching Section Meeting, 18 March 1995, Kuching, Malaysia. (Invited Speaker).
- 11 Chew, C L, Predictable success in restorative procedures. Paper presented at MDA Northern Branch's General Meeting, 23 February 1997, Ipoh, Malaysia. (Invited Speaker).
- 12 Chew, C L, Simple approach to complete dentures. Paper presented at Seminar on "Sharpen your clinical acumen", 28 September 1997, Kuala Lumpur, Malaysia.
- 13 Ganesh, V R, S Ramakrishna, P L Loh, C L Chew and S H Teoh, Functionally graded composite dental post. Singapore, 1998. (Paper presented at The First National Symposium on Prosthetics and Orthotics, 28 October 1998, Tan Tock Seng Hospital, Singapore).
- 14 Loh, P L, V K Ganesh, S Ramakrishna and C L Chew, A different dental

post - the functionally graded post. Paper presented at Refresher Course in Prosthodontics, John F. Johnston Society, School of Dentistry, Indiana University, 12-14 June 1999.

- 15 Chew, C L, J C L Neo and B Y Y Mok, Dyract AP/Prime and Bond NT Study in Singapore: 6 month report. Paper presented at Aesthetic and Restorative Dentistry Forum 2000, 19-23 January 2000, Kota Kinabalu, Malaysia.
- 16 Chew, C L, Implants, Trends and Expectations. Paper presented at Malaysian Dental Association Scientific Meeting (Northern Branch), November 2000, Penang, Malaysia.
- 17 Chew, C L, Aesthetic Dental Materials the NUS Experience. Paper presented at Aesthetic and Restorative Dentistry Forum 2001, 11-14 January 2001, Kota Kinabalu, Malaysia.
- 18 Chew, C L, All-Ceramic restorations. Paper presented at Malaysian Dental Association Scientific Meeting (Southern Branch), February 2001, Johore Bahru, Malaysia.

#### EDITORIAL WORK ON JOURNALS

1 Neo, J C L, C L Chew and K S Sidhu, eds, Singapore Dental Journal. 19,
no. 1, Singapore, November 1994. (Special Issue on Tooth Coloured
Restorative Materials).

#### THESES/DISSERTATIONS

- 1 Chew, C L, Denture Adhesive. Their Effects on Retention and Stability. MSD thesis, Indiana University, United States. 1977.
- 2 Chew, C L, Influence of heating on the mechanical properties of dental casting alloys and their investments. PhD thesis, National University of Singapore, Singapore. 1999.

## PUBLISHED REPORTS

1 Lim, K A, Y W Chan, S A Loh, C L Chew, H S Loh, C S Teo, L P Ng, K M
Yii, S K Djeng, F M S Lee and W K Yip, Dental Advisory Council.
Singapore: Ministry of Health, 1988. 55 pp.

### SHORTER ARTICLE/COMMENT IN JOURNAL

- 1 CAO, T, Hutmacher DW, K H Ho, Kiefer T, C L Chew and Teoh SH, Bone tissue engineering by using porous Poly-epsilon-caprolactone scaffold and human bone marrow stromal cells. International Journal of Oral and Maxillofacial Surgery, 30, (SA):64 (May 2001).
- 2 CAO, T, Kiefer T, K H Ho, Hutmacher DW, C L Chew and Teoh SH, Tissue engineering of osteochondral tissue/scaffold constructs for the repair of mandibular condyles. Int J Oral Maxillofac Surg, 30, (SA):79 (May 2001).

3 CAO, T, K H Ho, Hutmacher DW, Kiefer T, C L Chew and Teoh SH, Tissue-engineered bone formation in an implant-scaffold construct. Int J Oral Maxillofac Surg, 30, (SA):66 (May 2001).

### OTHERS

- 1 Ramakrishna, S, V K Ganesh, S H Teoh, P L Loh and C L Chew, Fiber reinforced composite product with graded stiffness. Singapore Patent, Application no. 9800874-1 (1998). (Singapore). (BioComposites).
- 2 Ramakrishna, S, V K Ganesh, P L Loh, C L Chew and S H Teoh, Fiber reinforced composite product with graded stiffness. United States, April 1999. 23 pp. (Registry of Patents United States of America, Application No. 09/291698).