

## Danny Chun Yu Low

Dr. Danny Low received his BDS and MScDent from the University of Sydney in 1994 and 1998. In 2002, he became the fellow of the Royal Australasian College of Dental Surgeons. He also completed a diploma in pain management from The University of Sydney in 2004 with GdipScMed (Pain Management). He is currently finishing his Advanced Diploma in Endodontics at the University of Hong Kong.

Dr. Low has held posts at The University of Sydney as Clinical Tutor in Discipline of Tooth Conservation (1996-1997), Associate Lecturer (1997-2000), and Clinical Associate in Discipline of Endodontics (1998-2000). In addition, he was awarded the Fellow of Academy of Dentistry International in 2003 and Fellow of Pierre Fauchard Academy in 2001.

Currently, he held an Assistant Professorship in Discipline of Conservative Dentistry, The University of Hong Kong, in which he acts as the course director of Undergraduate Endodontic curriculum and contribution to the teaching of Postgraduate Endodontoc students. In addition, he is several peer reviewed publications in international journals. Besides, he has a practice limited to endodontics since 1998 and conducts an endodontic workshop in his own practice for general dental practitioners.

### *Academic Qualifications*

- 2004 Graduate Diploma of Science in Medicine (Pain management),  
University of Sydney, Australia
- 2002 Fellow of Royal Australasian College of Dental Surgeons, Australia
- 1998 Master of Science in Dentistry (Dental Materials), University of Sydney,  
Australia
- 1997 Graduate Certificate in Mathematical Science, University of Technology,  
Sydney, Australia
- 1994 Bachelor of Dental Surgery, University of Sydney, Australia

### **Honour and Awards**

- 2003 Fellowship of Academy of Dentistry International
- 2002 General Dentist Case Report Competition
- 2002 Fellowship of Pierre Fauchard Academy
- 2000 HKMA 40<sup>th</sup> Anniversary Scholarship  
- Awarded by the Hong Kong Management Association
- 1998 The Joan Chong Award in Dental Materials  
- Awarded by the International Association for Dental Research  
(ANZ Division)
- 1994 Harold Assheton – Chin Memorial Essay Competition  
- Awarded by Australian Society of Implant Dentistry
- 1993 Roy C. Underwood Prize  
- Awarded by the University of Sydney on Dental Materials.
- 1992 The Sydney University Dental Alumni Scholarship  
- Awarded by the Dental Alumni of University of Sydney

### **Professional Appointment**

### ***Current***

- 2000-on going      Assistant Professor, Discipline of Conservative Dentistry;  
Faculty of Dentistry, University of Hong Kong
- 2000-on going      Honorary Associate, Discipline of Biomaterials Science;  
Faculty of Dentistry, University of Sydney
- 2004-on going      Practice limited to endodontics  
Prince's Dental Limited
- 2000-ongoing      Practice limited to endodontics  
Dental Service Center Limited

### ***Previous***

- 2000 -2003      Honorary Visiting Dental Officer, United Dental Hospital of Sydney,  
Australia
- 2000 -2001      Clinical Lecture, Discipline of Conservative Dentistry;  
Faculty of Dentistry, University of Hong Kong
- 1999 -2000      Australian Health Management Group – Practice Restricted to  
Endodontics
- 1998 -2001      Clinical Associate, Discipline of Endodontics;  
Faculty of Dentistry, University of Sydney
- 1998 -1999      Clinical Associate, Discipline of Clinical Dentistry;  
Faculty of Dentistry, University of Sydney
- 1997 -2000      Associate Lecturer, Discipline of Tooth Conservation;  
Faculty of Dentistry, University of Sydney
- 1996 -1998      Clinical Tutor, Faculty of Dentistry, University of Sydney
- 1997 -2000      Clinical Tutor, Westmead Hospital Dental Clinical School,  
Westmead, Australia

### ***Publications***

## **Handbook**

Tyas MJ, Bishop BM, Brockhurst PJ, Chapman P, Dorney B, Hodges J, Jackson J, Kenyon – Smith J, **LOW D** and McCrory P, Handbook: Guidelines for the fabrication, use and maintenance of sports mouthguards. Standards Australia. 2003, HB209.

## **Refereed Journal Papers**

**Low D**, Ho WLA, Cheung GSP, Darvell BW. Bending behaviour of nickel-titanium endodontic instruments. (*In preparation*).

Tay FR, Hosoya Y, Loushine RJ, Pashley DH, Weller RN, Low D. Ultrastructure of smear layer-covered intraradicular dentin following irrigation with BioPure MTAD. II. The consequence of obturation within epoxy resin-based sealer. (*Submitted*)

**Low D**, Mori T. Titanium full crown casting: setting expansion of investments and crown accuracy. (*Submitted*).

**Low D**, Cheung GSP, Lo ECM. Clinical evaluation of a polyacid-modified resin-based and a resin based restorative material for restoration of permanent molar: one-year result. (*Submitted*).

Chan AWK, Ng RPY, **Low D**, Cheung GSP. A survey of endodontic practice in general dental practice. (*In preparation*).

**Low D**. New die design for dimensional accuracy assessment of crown casting. *International Journal of Prosthodontics*. 2003; 16: 13-18.

**Low D**. Mouthguard Protection and Sports-related Dental Trauma. *Annals of the Royal Australasian College of Dental Surgeons*. 2002; 16: 153 -155.

**Low D**, Sumii T, Swain M, Ishigami K, Takeda T, Instrumented indentation characterization of mouth-guard materials. *Dental Materials*. 2002; 18: 211-215.

**Low D**, Sumii T, Swain M. Thermal expansion coefficient of titanium casting. *Journal of Oral rehabilitation*. 2001; 28: 239-242.

**Low D**, Swain M. Mechanical properties of dental investment materials. *Journal of Materials Science: Materials in Medicine*. 2000; 11: 399-405.

**Low D**, Mori T. Titanium full crown casting: thermal expansion of investments and crown accuracy. *Dental Materials*. 1999;15:185-190.

**Low D**, Best H, Mori T. An experimental model for the assessment of titanium denture casting techniques. *Dental Materials Journal*. 1994; 13:103-109.

## **Refereed Clinical Journal Paper**

**Low D.** Chan AWK. Unusual maxillary lateral incisors morphology: reports of 2 cases. *Australian Endodontic Journal*. 2004; 30: 15-19.

Chan AWK, **Low D.** Cracked Tooth – Diagnosis and management. *Hong Kong Dental Journal*. 2004; 1: 78-84.

**Low D.** Unusual maxillary second premolar morphology: A case report. *Quintessence International*. 2001; 32: 626-628.

### **Refereed Abstracts and Proceedings**

Ho WLA, **Low D,** Cheung GSP, Darvell BW. Evaluation of Flexural behaviour of Nickel-Titanium rotary file. *Australian Endodontics Journal*. 2004; 30: 154.

**Low D.** Third root canal in a second premolar: endodontic case report. *Dental Abstracts*. 2002; 47: 47-48.

**Low D,** Swain MV, Ishigami K, Takeda T. Ultra-micro indentation characterization of mouthguard materials. *Journal of Dental Research*. 2001; 80:975: Abstract 109.

**Low D,** Sumii T, Swain MV. Effect of disinfectant on dimensional accuracy of alginate impression material. *Journal of Dental Research*. 2001: 80: 975: Abstract 113.

**Low D,** Swain MV. Measurement of elastic modulus for investment materials by two methods. *Journal of Dental Research*. 1999; 78 948: Abstract 42.

**Low D,** Swain MV. Two methods of elastic modulus measurement for investment materials. *Journal of Dental Research*. 1999; 78: 144: Abstract 310.

**Low D,** mori T. Setting expansion and dimensional accuracy of titanium full crown casting. *Journal of Dental Research*. 1998; 77: 1132: Abstract 28.

Poolthong S, **Low D,** Swain MV, Sumii T, Mori T. Prediction of positional dependence of mechanical properties of dentine. *Journal of Dental Research*. 1998; 77: 917: Abstract 2288.

Tyler K, Sumii T, **Low D.** Comparison of metal frame crowns' accuracy on titanium castings from full bake and half-bake dies for ceramic veneering. *Abstracts of Forth International Symposium on Titanium in Dentistry*, 2-4 September, Geneva, Switzerland, 1998; pp22.

**Low D,** Sumii T. Comparison of titanium casting from full crown and metal-ceramic dies. *Journal of Dental Research*. 1997; 76: 937: Abstract 25.

**Low D,** Chung HG, Mori T. Selection of thermal expansion values for titanium crown casting. *Journal of Dental Research*. 1996; 75: 63: Abstract 367.

**Low D,** Mori T. Thermal expansion and crown accuracy in titanium casting. *Journal of Dental Research*. 1996; 75: 61: Abstract 345.

Chung HG, **Low D**, Lee HK, Mori T. A thermal evaluation of opaque porcelains developed for titanium. *Journal of Dental Research*. 1995; 74: 556: Abstract 1243.

**Low D**, Chung HG, Mori T. Thermal expansion coefficient of cast titanium. *Proceeding of Third International Symposium On Titanium In Dentistry*, 1995; pp 214.

Chung HG, **Low D**. Mori T, Lim SD, Kim KH. An assessment method for the success of titanium casting. *Transactions of Second International Congress on Dental Materials*, 1-4 November, 1993, Hawaii, pp 139.

### **Conference Papers**

Ho WLA, **Low D**, Cheung GSP, Darvell BW. Evaluation of flexural behaviour of Nickel-Titanium rotary file. *Poster presentation on IFEA 6<sup>th</sup> Endodontic World Congress, September 8-11, 2004, Brisbane, Australia*.

Chan AWK, **Low D**. A long-term prospective study of cantilever resin-bonded bridges. *Oral presentation on 26<sup>th</sup> Asia Pacific Dental Congress, May 28- June 1, 2004, Hong Kong*.

Chan AWK, Comfort MB, McGrath CPJ, **Low D**. A randomized control trial of the effectiveness in enhancing cavity presentation. *Oral presentation on The International Centre of Navigational Dentistry (ICON), 2003, Hong Kong*.

**Low D**, Swain MV, Ishigami K, Takeda T. Elastic-inelastic properties of laminated mouthguard materials. *Poster presentation on IADP 17<sup>th</sup> Annual Scientific Meeting (south-East Asian Division), September 18 - 20, 2002, Hong Kong*.

**Low D**, Swain MV, Ishigami K, Takeda T. Ultra-micro indentation characterization of mouthguard materials. *Poster presentation on IADR 40<sup>th</sup> Annual Scientific meeting (Australian & New Zealand Division), July 2-5, 2000, Perth, Australia*.

**Low D**, Sumii T, Swain MV. Effect of disinfectant on dimensional accuracy of alginate impression material. *Poster presentation on IADR 40<sup>th</sup> Annual Scientific Meeting (Australian & New Zealand Division), July 2 - 5, 2000, Perth, Australia*.

**Low D**. Thesis abstract: prediction of the dimensional accuracy of small extra-coronal titanium castings. *Journal and Proceedings of the Royal Society of New South Wales; 1999; 132: Abstract 115*.

**Low D**, Swain MV. Two methods of elastic modulus measurement for the investment materials. *Poster presentation on IADR 77<sup>th</sup> General Session, March 10-13, 1999, Vancouver, Canada*.

**Low D**, Swain MV. Measurement of elastic modulus for investment materials by two methods. *Poster presentation on IADR 38<sup>th</sup> Annual Scientific Meeting (Australian & New Zealand Division), September 27-29, 1988, Brisbane, Australia*.

Tyler k, Sumii T, **Low D**. Comparison of the metal frame crowns' accuracy on titanium castings from full-base and half base metal dies for ceramic veneering. *Poster presentation on 4<sup>th</sup> international Symposium on Titanium in Dentistry, 2-4 September, Geneva, Switzerland, 1998; pp 22.*

Poolthong S, **Low D**, Swain MV, Summi T, Mori T. Prediction of positional dependence of mechanical properties of dentine. *Poster presentation on IADR 76<sup>th</sup> General Session. June 24-27, 1998, Nice, France.*

**Low D**, Mori T. Setting expansion and dimensional accuracy of titanium full crown casting. *Poster presentation on IADR 37<sup>th</sup> Annual Scientific Meeting (Australian & New Zealand Division), September 24-28, 1997, Dunedin, New Zealand.*

**Low D**, Sumii T. Comparison of titanium casting from full crown and metal-ceramic dies. *Poster presentation on IADR 36<sup>th</sup> Annual Scientific Meeting (Australian & New Zealand Division), September 29-October 2, 1996, Sydney, Australia.*

**Low D**, Chung HG, Mori T. Selection of thermal expansion values for titanium crown casting. *Poster presentation on IADR 75<sup>th</sup> General Session & Exhibition, March 13 -17, 1996, San Francisco, USA.*

**Low D**, Mori T. Thermal expansion and crown accuracy in titanium casting. *Poster presentation on IADR 75<sup>th</sup> General Session & Exhibition, March 13-17, 1996, San Francisco, USA.*

Chung HG, **Low D**, Lee HK, Mori T. A thermal evaluation of opaque porcelains developed for titanium. *Poster presentation on IADR 74<sup>th</sup> General Session & Exhibition, June 28-July 1, 1995, Singapore.*

**Low D**, Chung HG, Mori T. Thermal expansion coefficient of cast titanium. *Poster presentation on 3<sup>rd</sup> International Symposium on Titanium in Dentistry, 29 – 31 August, 1995, Leura, Australia.*

Chung HG, **Low D**, Mori T, Lim SD, Kim KH. An assessment method for the success of titanium casting. *Poster presentation on 2<sup>nd</sup> International Congress on Dental Materials, 1-4 November, 1993, Hawaii.*

### **Consulting Report**

**Low D**, Sumii T, Swain MV (2000). The influence a novel atomizer sterilization system (Novapharm System) on the dimensional accuracy of dental impression materials.

### **Lecture Presentation**

**Low D** (2002) Mouthguard protection and sports-related dental trauma. *Royal Australasian College of Dental Surgeons Young Lecture Award Presentation, October 17 – 20, 2002, Melbourne, Australia.*

**Low D** (2000) Characterization of mouthgurard materials.. *Guest lecture on Australian Society of Endodontology (NSW Branch), May 3, 2000, Sydney, Australia.*