Dental Research in Review Day
February 9, 2005
UNC School of Dentistry

8:00-11:00  **POSTER SESSIONS**
General Viewing and Judging
3rd floor lobby, Tarrson

10:00-11:00  **ORAL SESSIONS**
General Viewing and Judging
B407, B309, OD150, OD3180

11:00-11:10  **RAFFLE** – many prizes
3rd floor lobby, Tarrson

11:15-12:15  **Keynote Speaker:** “Clinical Implications of Studying Craniofacial Genetic Diseases”
**Dr. Tom Hart**
407 Brauer

12:30-1:30  **LUNCH and LEARN**
Pizza for L&L Participants
Pre-registration required
3180 Old Dental – Tom Hummert
407 Brauer – Andre Mol
398 Dental Office Blg – Jessica Lee
259 Brauer – Fabricio Teixeira
401 Brauer – Patricia Miguez
309 Brauer – Ray White

1:30-1:45  Break-Down Posters (All Participants)
3rd floor lobby, Tarrson

1:45-3:45  **ORAL SESSIONS**
General Viewing and Judging
B407, B309, OD150, OD3180

4:00-5:00  **ROUNDTABLE DISCUSSION**
with Dr. Tom Hart
3180 Old Dental
Pre-registration required

4:00-5:00  **HANDS-ON WORKSHOPS**
Pre-registration required
407 Brauer
Array Validation Using Real Time PCR
Applied Biosystems
Implant workshop
Drs. Wagner Duarte, Dina Dedi, Nadine Brodala

5:15-6:15  **AWARD PRESENTATIONS**
Dr. May/Flood/Pereira/Research Advisors
407 Brauer
Dental Research in Review Day  
February 9, 2005  
Poster Presentations  

3rd Floor Lobby, Tarrson Hall  
Judging Times in Parentheses

1. Determination of Strain Identity in Oral KSHV Infection (8:15) ................................. Camelia Cooper  
2. EBV & KSHV DNA Replication by Bacterial Commensal Organisms (8:30) ......................... Brad Picot  
3. Fetal and neonatal effects of maternal infection with Campylobacter rectus (8:45) .......................... Kira Baum  
4. Identifying Potential Predictors of Pulpal Involvement in Teeth with Full Coverage Restorations (9:00) .......................... Anna Kirakozova  
5. Presence of Third Molars and Fracture Incidence During BSSO Surgery (9:15) .......................... Jared Blacker  
6. Pre-treatment expectations of adolescent orthodontic patients (9:30) ................................. Alfred Jackson  
7. Remineralization Potential For Whitening Gels (9:45) ............................................................ Jason Gladwell  
8. The Role of Amelogenin in Dentin and the Dentin-Enamel Junction Formation (10:00) ............. Afsaneh Samimi  
10. Parenting Stress as an Etiological Factor for ECC (10:30) ..................................................... Clarence Tang  
11. Air Abrasion in Pediatric Dentistry: A Survey Among Pediatric Dentists in North Carolina (10:45) ........ Victoria Williams  
12. Change in 3rd molar angulation/position in the third decade and follow-up periodontal pathology (8:00) .............................. Paige Nance  
13. HIV Salivary Gland Disease (SGD): A Role for Viral Infections (8:15) ................................. Allan Dovigi  
14. Breast Milk Derived HIV-1 Replicates in Tonsil Organ Cultures (8:30) ................................. Laurie Gray  
15. The Effects of Periodontal Therapy on TNF alpha, IL-6 and Metabolic Control in Diabetics (8:45) ........ Jennifer Hamm  
16. Effect of NaOCl treatment on six-month dentin bond strength (9:00) ................................. Paula Yamazaki  
17. μTBS of an Experimental One-Step Self-Etching Adhesive to Dentin (9:15) ............................ Eduardo Ghaname  
18. Effect of intracanal anti-inflammatory medicaments on external root resorption of replanted dog teeth (9:30) ............................ Hong Chen  
19. Power Toothbrushing Effects on Dental Cement Wear at Crown Margins (9:45) .................. Marsha Black  
20. Continental Bias in References Cited by Dental Researchers (10:00) ...................................... Roongkit Leehacharoenkul  
21. In vitro Inhibition of Bacterial Growth by Different Dental Adhesives (10:15) ...................... Ricardo Walter  
22. Heritability of skeletal Class III malocclusion (10:30) ......................................................... Chi Bui  
23. CT-based weighted measures of skeletal stiffness (10:45) ................................................. Neel Bhatavadekar  
24. Crosslinks profile of overexpression of lysyl oxidase in MC3T3-E1 cells (8:30) ...................... Phimon Atsawasuwan  
25. Effects of Different Cross-linkers in Collagen Degradation (8:45) ....................................... Patricia Miguez  
26. Influence of Lrp5 signaling on Osteoblastic Cell Culture Mineralization (9:00) ....................... Juani Guo  
27. Genetic Heterogeneity of Autosomal Recessive Amelogenesis Imperfecta (9:15) ................... Sung Hong  
28. Water vapor effects on yttria-stabilized zirconia thin film stress (9:30) ............................... Jeffrey Piascik  
29. Type of oral health care received among Hispanic minors in the US (9:45) ............................ Gloria Mejia  
30. Kaposis’s Sarcoma associated Herpesvirus (KSHV) Infection in the Oral Cavity: The State of Things ...Ro Shauna Rothwell  
31. Maternal Campylobacter rectus Infection Attenuates Murine Placental Growth Factor Expression ........ Yiorgos Bobetisis  
32. Biglycan promotes osteoblast differentiation and matrix mineralization .............................. Duenpim Parisuthiman  
33. Microleakage evaluation of a new low-shrinkage composite restorative material ........................ Georgia Macedo  
34. Increased Inflammatory Gene Expression in Stimulated Blood from Periodontal Patients ........ Silvana Barros  
35. Catechol-O-methyltransferase Haplotypes Modulate Pain Sensitivity ........................................ Andrea Nackley  
36. Inhibition of P. gingivalis-Induced Acute Phase Response in Mice ........................................... Jermaine Fuller  
37. Proteomic Survey of Serum Inflammatory Biomarkers in Murine P. gingivalis Infection ........ Alan Welborn  
38. Stability and Release of Antiviral Drug from EVA Copolymer ............................................... Nazila Alimohammadi  
39. Analysis of data based on GRT .............................................................................................. Haeyong Kim  
40. Systemic Impact and Reliability of Third Molar Probing Measures ....................................... Kevin Moss  
41. Outcomes of Workplace Oral Health Promotion: Was there Clinical Improvement? ............... Ada Rey  
42. Dental Chair Versus Hospital-Bed Settings for Measuring Periodontal Health ........................... Sally Mauriello  
43. Consumer Available Whitening Agents and Their Effect On Enamel Microhardness .................. Ralph Leonard  
44. Wear Anomalies in 5-Year Clinical Trial Data for Packable Composite ................................... Stephen Bayne  
45. Clinical Evaluation of a Two-Component Self-Etching Adhesive ............................................. Edward Swift  
46. An Evaluation of the Skeletal Class III trait in Amelogenesis Imperfecta ............................... Sylvia Frazier-Bowers  
47. Impact of Word Choice on Discomfort Level Following Orthognathic Surgery ............................ Ceib Phillips
Dental Research in Review Day
February 9, 2005

Oral Presentations

Old Dental 150

48. 10:00 Endodontically Treated versus Non-Treated Teeth: Retrospective Comparison of Survival Times ........ Dan Caplan
49. 10:15 Atherosclerosis Induced by P. gingivalis-Infection in Mice correlates with SAA Levels ............ Catherine Champagne
50. 10:30 Clinical Evaluation of an All-In-One Self-etching Dental Adhesive ............................................. Andre Ritter
51. 10:45 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
52. 11:00 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
53. 11:15 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
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56. 12:00 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
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80. 6:00 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
81. 6:15 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
82. 6:30 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
83. 6:45 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
84. 7:00 Marginal adaptation of composite restorations placed with different light-curing devices ............ Luiz Andre Pimenta
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100. 11:00 Marginal adaptation of composite restorations placed with different light-curing devices ...... Luiz Andre Pimenta

Brauer 309

52. 10:15 Epidemiological Study on Outcomes of Endodontically Treated Teeth ............................................ Yan Zhong
53. 10:30 A role for regulatory T cells in disease progression of Type 1 Diabetes........................................... Shannon Pop
54. 10:45 3D10 and OSCAR – Differences and Updates .................................................................................... Emad Khan
55. 11:00 Patient and Provider Perceptions of Skeletal Anchorage in Orthodontics ........................................... Nicole Scheffler
56. 11:15 Orthodontists’ effectiveness in the diagnosis of impacted maxillary canines ................................... Jason Herring
57. 11:30 The effects of a locally delivered prostaglandin inhibitor on orthodontic tooth movements .................. Erol Agi
58. 11:45 Self-efficacy in Adolescent Orthodontic Patients .............................................................................. Leslie Pitner
59. 12:00 Skeletal Stability of Biodegradable Fixation in Orthognathic Surgery ................................................... Brian Smith
60. 12:15 3D Diagnosis of Dentofacial Deformities Using Cone-beam CT ......................................................... Lucia Cevidanes
61. 12:30 Age at Surgery and Stability of Class III Correction ............................................................................ L’Tanya Bailey

Old Dental 3180

70. 1:45 Progression of Periodontitis in Asymptomatic Third Molars ................................................................ Matthew Jacks
71. 2:00 Patients’ Perceptions of Recovery After Orthognathic Surgery ......................................................... David Stoker
72. 2:15 The Role of TACE in Tooth Formation ............................................................................................... Martha Hardaway
73. 2:30 Recruitment of Dentists by Military Services: Implications to Academia ........................................... Ronald Hsu
74. 2:45 Determinants of Dental Referral Practices Among WIC Nutritionists in North Carolina ................... Elizabeth Shick
75. 3:00 Clinical Performance of Resilon™ and Gutta-percha at 3 and 6 Months ............................................ Michelle Heffernan
76. 3:15 Real-Time qPCR, RT-PCR, & Culture Analyses of Enterococcus faecalis in Endo Infections ....... John Williams
77. 3:30 The Role of Plasma Fibronectin in Inflammation ........................................................................... Paul Byerly
78. 3:45 Periodontal Pathogens and Atherosclerosis in Monkeys ..................................................................... John Kim

Brauer 407

79. 1:45 Oral Health Knowledge, Practices and Referral Patterns of Early Head Start Staff ......................... Kavita Mathu-Muju
80. 2:00 Prospective evaluation of failed teeth and replacement by immediate dental implant placement and restoration ........................................ Tiffany Harris
81. 2:15 Periodontitis Progression in Monkeys over Three Years ................................................................. John Jacquot
82. 2:30 Effects of collagen glycation on DDR2 expression in MC3T3E1 cells .............................................. Marlene Teo
83. 2:45 Effects of Campylobacter rectus on Pregnancy Outcomes in the Mouse .......................................... Mehul Gadha
84. 3:00 Cone Beam Local CT For Interproximal Caries Detection ................................................................. Sajitha Kalathingal
85. 3:15 Condylar Remodeling Following Orthognathic Surgery ................................................................. Quay Parrott