

## Abstracts of Oral and Poster Presentations

*Trotman, C.-A.*, and Ross, R.B. Conventional cephalometrics vs Tensor analysis. American Cleft Palate Association Meeting Program, Abstract #14, May 1990.

Cohen, S.R., Corrigan, M.L., Bookstein, F., *Trotman, C.-A.*, Barr, M. Log-linear allometric analysis of fetal craniofacial growth: I Normative data. American Cleft Palate Association Meeting Program, Abstract #46, May 1992.

Cohen, S.R., Corrigan, M.L., Bookstein, F., *Trotman, C.-A.*, Barr, M. Log-linear allometric analysis of fetal craniofacial growth: II Downs syndrome. American Cleft Palate Association Meeting Program, Abstract #47, May 1992.

Cohen, S.R., Chen, L., *Trotman, C.-A.*, Burdi, A.R. Soft palate morphogenesis: A developmental field paradigm. American Cleft Palate Association Meeting Program, Abstract #60, May 1992.

Cohen, S.R., Corrigan, M., *Trotman, C.-A.*, Newman, H., Berger, M. Upton, L., Steinberg, B., Wilmot, J., Revesz, S. Cumulative surgical procedures in patients age 14 or older with unilateral vs bilateral cleft lip and palate. American Cleft Palate Association Meeting Program, Abstract #50, April 1993.

Marcincin, M.B., *Trotman, C.-A.*, Burdi, A.R., Thanasas, A. Patterns of growth in maxillary dental arch and midface widths in human prenatates. American Cleft Palate Association Meeting Program, Abstract #67, April 1993.

Steinberg, B., Cohen, S.R., *Trotman, C.-A.*, Wilmot, J. Surgical results of fifty-seven alveolar bone graft cases. American Cleft Palate Association Meeting Program, Abstract #81, April 1993.

Chen, L., Cohen, S.R., *Trotman, C.-A.*, Burdi, A.R. Myogenesis in cleft palates differs from normal and may be morphologically disturbed. American Cleft Palate Association Meeting Program, Abstract #133, April 1993.

*Trotman, C.-A.*, Collett, A.R., McNamara, J.A. Jr., Cohen, S.R. Craniofacial and dental morphology in monozygotic twins discordant for cleft lip and palate. American Cleft Palate Association Meeting Program, Abstract #157, April 1993.

*Trotman, C.-A.*, Hou, D., Cohen, S.R., Burdi, A.R. Characterization and histomorphologic analysis of the soft palate musculature in prenatal cleft and non-cleft A/Jax mice. American Cleft Palate Association Meeting Program, Abstract #142, May 1994.

Cyterski, L., Burdi, A.R., *Trotman, C.-A.* Prenatal analysis of dentofacial growth in prenatal clefting. American Cleft Palate Association Meeting Program, Abstract #161, May 1994.

Moffatt, K.S., Gross, M.M., *Trotman, C.-A.* A three-dimensional analysis of facial motion. American Society of Biomechanics Meeting Program, Palo Alto, CA, August, 1995.

Long, R.E., Levitt, T., *Trotman, C.-A.* Maxillary growth following secondary alveolar bone grafting. American Cleft Palate Association Meeting Program, Abstract #88, April 1997.

Kim, L., Barr, M., *Trotman, C.-A.*, Burdi, A.R. The character and early prenatal appearance of human CLP/CP craniofacial dysmorphology: Implications for prenatal imaging and surgery. American Cleft Palate Association Meeting Program, Abstract #5, April 1998.

Weeden, J.C., *Trotman, C.-A.*, Faraway, J.J., Mendez, M. Facial movement analysis: The effects of confounders. J. Dent. Res. 79:499 (#2844), 2000.

*Trotman, C.-A., Tulloch, J.C.F., Bennett, E., Scheffler, N.* Perceptions on faculty recruitment, retention, and success in dental academia. *J. Dent. Educ.* 65:19-85, 2001.

Joslin, A.E., Mitchell, K.B., *Trotman, C.-A.*, Phillips, C.B., Proffit, W.R. Development of a subjective instrument for evaluating masticatory impairment. *J. Dent. Res.* 80:187 (#1290), 2001.

*Trotman, C.-A.* Faculty Recruitment, Retention, and Success in Dental Academia: Research Issues. American Association of Dental Research Meeting, *J. Dent. Res.* 82:2003.

Dorion, C., Essick, G.K., Rumley, S., Rogers, L., Young, M., *Trotman, C.-A.* Report of altered sensation in patients with cleft lip. American Cleft Palate Association Meeting Program, Abstract #173, March 2004.

*Trotman, C.-A., Faraway, J.J., Phillips, C.* Visual and statistical modeling of facial movement in patients with cleft lip. American Cleft Palate Association Meeting Program, Abstract #104, March 2004.

*Trotman, C.-A., Barlow, S.* Lip force dynamics in patients with cleft lip. *J. Dent. Res.* 84 (Spec. Issue A): Abstract 2501. Baltimore MD, 2005.

Essick, G.K., Harris, B., Prajapati, R., Phillips, C., *Trotman, C.-A.* Factors affecting sensory thresholds on the vermillion of patients with cleft lip. American Cleft Palate Association Meeting Program, Abstract #175, April 2005.

Phillips, C., *Trotman, C.-A.* Surgeon agreement: Lip revision for patients with repaired cleft lip. American Association for Dental Research (AADR) meeting, Abstract #796. Orlando Florida 2006.

*Trotman, C.-A., Faraway, J.J.* Surgical outcomes assessment: Facial movements in patients with cleft lip. American Association for Dental Research (AADR) meeting, Abstract #812. Orlando Florida 2006.

Tanikawa, C., *Trotman, C.-A.* Objective classification of lip morphology in patients with repaired cleft lip and palate. International Association of Dental Research Meeting, Abstract #2807. Toronto Canada, 2008.

Driskill, D., *Trotman, C.-A.* Three-dimensional nasal shape classification in patients with repaired cleft lip. International Association of Dental Research Meeting, Abstract #2806. Toronto Canada, 2008.

Tanikawa, C., Duffy, E., Takada, K., *Trotman, C.-A.* Three-dimensional (3D) changes in nasal morphology after revision surgery. International Association of Dental Research Meeting, Spain, Abstract #3789, July 2010.

Barlow, S.M., *Trotman, C.-A.*, Chu, S.Y., Lee, J., Kieweg, D. Modification of perioral stiffness in children with repaired cleft lip/palate. American Cleft Palate Association Meeting Program, Abstract #09-RA-241, March 2010.

Tanikawa, C., Zere, E., Lida, C., *Trotman, C.-A.*, Takada, K. Three-dimensional facial soft tissue surface changes during smiling in male patients with a repaired unilateral cleft lip/palate. European Orthodontic Society Meeting, Turkey, June 2011.

Lee, N., Heaston, C., Rey, A., Hartman, T., *Trotman, C.-A.* Facial landmark extraction for lip tracking of patients with cleft lip using active appearance model. HCI 2011 14<sup>th</sup> International Conference on Human Computer Interaction, Orlando, Florida, Abstract #142, July 2011.

Mercado, A.M., Phillips, C., Vig, K.W.L., *Trotman, C.-A.* Nasolabial esthetic outcomes in patients with cleft lip evaluated before and after lip revision surgery. American Cleft Palate Association Meeting Program, San Jose (CA), April 2012.

*Trotman, C.-A., Faraway, J.J., Phillips, C., Hartman, T., van Aalst, J.A.* Facial/lip movements in cleft lip/palate: Long-term effects of lip revision. IADR General Session, Seattle, Washington, Abstract #176807, March 2013.

*Trotman, C.-A., Phillips, C., Faraway, J.J., Hartman, T., van Aalst, J.A.* Systematic assessment approach to treatment planning for lip revision surgery. IADR General Session, Seattle, Washington, Abstract #17686, March 2013.

*Trotman, C.-A., Green, J.R., Faraway, J.J., Soltmann, R.E., Hartman, T., van Aalst, J.A.* Spontaneous dynamics in cleft infants for speech development. IADR General Session, Seattle, Washington, Abstract #176867, March 2013.

Lee, N., Heaston, C., Rey, A., Hartman, T., *Trotman, C.-A.* Facial landmark extraction for lip tracking of patients with cleft lip using active appearance model. HCI 2011 International 14th International Conference on Human Computer Interaction, Orlando Florida, Abstract #142, July 2011.

*Trotman, C.-A., Faraway, J.J., Soltmann, R.E., Hartman, T., van Aalst, J.A.* Facial soft tissue dynamics before and after primary lip repair. 12 International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies, Lake Buena Vista, Florida, Abstract #0166, May 2013.

*Trotman, C.-A., Heaston, C., Phillips, C., Mercado, A., Lee, N., Hartman, T.* Automated three dimensional (3D) measures of the static face in normal and dysmorphic conditions: Novel technology for facial measurement. 12 International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies, Lake Buena Vista, Florida, Abstract #1772, May 2013.

*Trotman, C.-A., Phillips, C., Faraway, J.J., Hartman, T., van Aalst, J.A.* Influence of objective three dimensional measures and movement images on surgeon treatment planning for lip revision surgery. 12 International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies, Lake Buena Vista, Florida, Abstract #0274, May 2013.

Mercado, A.M., Phillips, C., Vig, K.W.L., *Trotman, C.-A.* Nasolabial esthetic outcomes in patients with cleft lip evaluated in 3-dimensional images. 12 International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies, Lake Buena Vista, Florida, May 2013.

*Trotman, C.-A., Yu, J., Phillips, C., Koch, G.* Surgeon Agreement/Bias When Evaluating Lip Surgery Outcomes in CL/P Patients. IADR/AADR/CADR Boston, MA, Abstract #1243. March 2015. American Association of Oral & Maxillofacial Surgeons Best Abstract Award—IADR Oral & Maxillofacial Surgery Group.

Lu, T.-C., Sirianna, V., *Trotman, C.-A.* Validation of a New Method to Measure Facial Soft Tissue Movements. IADR/AADR/CADR Boston MA, Abstract #4342. March 2015.

Kanavakis, G, Lee, M, Srinivasan, S, Finkelman, M, *Trotman, C.-A.* Association of lateral incisor crown-root angulation and palatally impacted canines. IADR/AADR/CADR Boston MA, March 2015.

Barashi, M.A., Nelson Monteiro, N., Smith, E.E., Zhang, W., Stoppel, W., Kaplan, D., *Trotman, C.A., Yelick, P.C.* Dental Cell Differentiation on Silk Hydrogel Tooth Bud ECM Scaffolds. IADR/AADR/CADR San Francisco, CA, Abstract #1879. March 2017.

Regan, D., Faraway, J.J., *Trotman, C.A.* 3D Nasolabial Morphology In Normal and Cleft Lip/Palate Subjects. IADR/AADR/CADR San Francisco, CA, Abstract #3991. March 2017.

Barashi, M., Monteiro, N., Stoppel, W., Kaplan, D., *Trotman, C.-A., Yelick, P.C.* Dental cell differentiation on silk hydrogel tooth bud ECM scaffolds. IADR/AADR/CADR San Francisco, CA March 20-24, 2017.

Lemchen, A., Breton, C., Finkelman, M., Kanavakis, G., *Trotman, C.A.* Three Dimensional Evaluation of the Cervical Vertebrae Maturation Index. 2017 Bates Day Poster Presentation, Tufts University School of Dental Medicine.

Khojah, M., Correa, L., Finkelman, M., *Trotman, C.A.* Predictors of success for oral appliance (OA) therapy in obstructive sleep apnea (OSA) patients based on initial craniofacial characteristics. Joint Meeting of the American Academy of Sleep Medicine and the Sleep Research Society Boston, MA, Abstract #0594; Article in *Sleep* 40(suppl\_1):A220-A220 · April 2017, DOI: 10.1093/sleepj/zsx050.593. American Academy of Dental Sleep Medicine Clinical Research Award.

Alhazmia, N., *Trotman, C.A.*, Finkelman, M., Hawley, D., Zoukhrie, D., Papathanasiou, E. Salivary alkaline phosphatase as a biomarker for skeletal maturity. E-poster, Annual Session, American Association of Orthodontists, San Diego, CA. 2017.

Regan, D., Hadlock, T., Tran, D., *Trotman, C.A.* Tracking Facial Recovery in Patients with Facial Paralysis. 2018 Bates Day Poster Presentation, Tufts University School of Dental Medicine.

Barashi, M., Zhang, W., Monteiro, N., Stoppel, W., Kaplan, D., *Trotman, C.A.*, Yelick, P. Decellularized Tooth Bud ECM Silk Scaffolds Promote Dental Cell Differentiation. IADR/AADR/CADR Fort Lauderdale, FLA March 21-24, 2018.

Bednarz, A., Lee, M., Finkelman, M., *Trotman, C.A.*, Kanavakis, G. Accuracy of Force Delivery of Nickel Titanium Coil Springs. European Orthodontic Society Congress, Edinburgh, Scotland June 17-21, 2018

Razavi, L., Dusseldorp, J.R., Hadlock, T.A., Faraway, J., *Trotman, C.A.* Nasolabial Fold Dynamics in Normal Subjects and Facial paralysis Patients. 2018 Bates Day Poster Presentation, Tufts University School of Dental Medicine. Faculty Mentor: Dr. Carroll Ann Trotman. *Omicron Kappa Upsilon (OKU) Hilde Tillman Award to Ms. Razavi.*

Obeid, R.C., Jung, J., Guarin, D., Hadlock, T.A., *Trotman, C.A.* Validity of 2D versus 3D Facial Measurements for Treatment Outcomes. 2018 Bates Day Poster Presentation, Tufts University School of Dental Medicine. Faculty Mentor: Dr. Carroll Ann Trotman. *Scientific Merit Award for First-Time Presenters to Ms. Obeid.*

Chiang, Y.-C., Marvasti-Sitterly, M., Phillips, C., Hadlock, T.A., *Trotman, C.A.* Facial Paralysis: Impact of Treatment on Perceived Function and QOL. 2018 Bates Day Poster Presentation, Tufts University School of Dental Medicine. Faculty Mentor: Dr. Carroll Ann Trotman. *Bates Student Research Group "Peer-reviewed" Award to Ms. Chiang.*

Papathanasiou, E., Scott, A., Beale, C., *Trotman, C.A.*, Van Dyke, T. LXA4-ME Reduces Scar Tissue after Cleft Lip Repair. IADR/AADR/CADR Vancouver, Canada, June 19-22, 2019.

Razavi, L., Dusseldorp, J.R., Hadlock, T.A., Faraway, J., *Trotman, C.A.* Nasolabial Fold Dynamics in Normal Subjects and Facial Paralysis Patients. IADR/AADR/CADR Vancouver, Canada, June 19-22, 2019. ID #1494

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Scott, A.R., *Trotman, C.A.*, Beale, C., van Dyke, T.E., Papathanasiou, E. Development of a Novel Animal Model to Simulate Scarring After Cleft Lip Repair Surgery." AAFPRS Annual Meeting

Boston, M.A 2020.

Clark, G., Corrado, A., *Trotman, C.A.* Utility of Two-Dimensional (2D) versus Three-Dimensional (3D) Facial Photographs for Surgical Treatment Planning in Patients with Repaired Cleft Lip/Palate (CL/P) who need Lip Revision. 2021 Bates Day Virtual Poster Presentation, Tufts University School of Dental Medicine. Faculty Mentor: Dr. Carroll Ann Trotman.