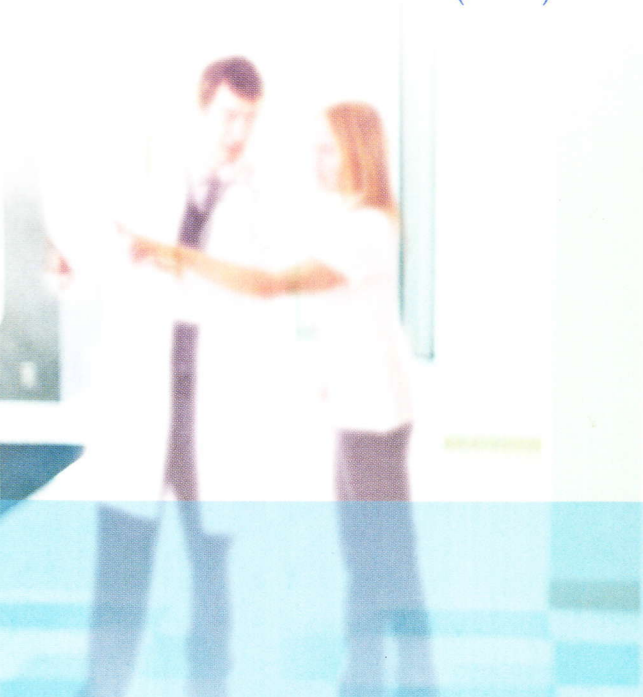




PROGRAM BOOK

88th General Session & Exhibition of the IADR
5th General Session of the Pan European
Region of the IADR

Location: Centre Convencions
Internacional Barcelona (CCIB)



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- 1240** Immunohistochemical Localization of HtrA1 During Mouse Tooth Development. Q. ZHANG*, X. LI, R. LI, W. CHANG, and M. ZHOU (*Hubei-MOST KLOS & KLOBM, School of Stomatology, Wuhan University, China*)
- S1241** Functional Implication of Thymosin Beta 4 in the Tooth Development. Y. OOKUMA*, I. KOBAYASHI, T. KIYOSHIMA, K. NAGATA, H. FUJIWARA, H. YAMAZA, K. NONAKA, and H. SAKAI (*Kyushu University, Fukuoka, Japan*)
- 1242** Dental Age Estimation in Croatian Children Aged 5–14 Years. I. GALIC, M. VODANOVIC*, E. GALIC, S. JANKOVIC, M. PETROVECKI, and H. BRKIĆ (*University of Zagreb School of Dental Medicine, Croatia*)
- 1243** Smad4 Mediated Signaling is Essential for Dentin Formation. S.-O. KO, J.-Y. LEE, C.-Y. YOON, Y. CHAI, and E.-S. CHO* (*Chonbuk National University, Jeonju, South Korea*)
- 1244** Third Molar Development in Croatian Children and Young Adults. Z. LOVRIC*, M. VODANOVIC, J. DUMANCIC, I. CUKOVIC-BAGIC, M. PETROVECKI, and H. BRKIC (*Private Dental Clinic, Zagreb, Croatia*)
- S1245** Clinico-statistical Analysis of Congenitally Missing Permanent Teeth in CLP. M. SATO*, Y. BABA, T. INOKUCHI, A. HONDA, K. KATAOKA, M. TSUJI, S. SUZUKI, and K. MORIYAMA (*Maxillofacial Orthognathics, Tokyo Medical and Dental University Graduate School, Japan*)
- 1246** Association Between SNPs in 17 Genes and Non-syndromic Hypodontia. J. ZHANG, S. SONG, and H. FENG* (*Peking University, Beijing, China*)
- S1247** BRAK as a Candidate for Tooth Eruption Molecule. J.-H. KANG*, N.-R. JUNG, J.-H. YONG, S.Y. YANG, Y.-H. MOON, H.-I. YOO, H.-M. KO, M.-S. KIM, and S.-H. KIM (*Chonnam National University, Gwangju, South Korea*)
- S1248** Differential Expression of Cyp-A in Developing Molars in Rats. N.-R. JUNG*, J.-H. KANG, H.-J. KIM, J.-D. BYUN, S.Y. YANG, Y.-H. MOON, H.-I. YOO, H.-M. KO, M.-S. KIM, and S.-H. KIM (*Chonnam National University, Gwangju, South Korea*)
- 1249** Expressions of Inhibitors of Differentiation in the Developing Tooth Germ. H.-Y. SUH, J.-H. KANG, S.Y. YANG, N.-R. JUNG, Y.-H. MOON, H.-I. YOO, H.-M. KO*, M.-S. KIM, and S.-H. KIM (*Chonnam National University, Gwangju, South Korea*)
- S1250** Hypodontia Associated with Fgfr1 and Pax9 Polymorphisms in Hungarian Population. P. STIEDL*, D. HONTVÁRI, G. JOBBÁGY-OVÁRI, B. SOÓS, P. HERMANN, Z. TÓTH, B. KERÉKES-MÁTHÉ, M. MARTONOSI, K. NAGY, I. SZÁNTÓ, Á. NAGY, M. MADLÉNA, I. TARJÁN, and G. VARGA (*Semmelweis University of Medicine, Budapest, Hungary*)
- 1251** Melnick-needles Syndrome is Associated with Hypodontia and Mandibular Dysmorphology. L. KJÖLLER, K. BRÖNDUM-NIELSEN, J. DAUGAARD-JENSEN, P. LARSEN, and S. KREIBORG* (*University of Copenhagen, Denmark*)
- 1252** 3D-analysis of Tooth Dimensions in MSX1-missense Mutation: a Pilot Study. M. CRÉTON*, M.J. BOOGAARD, L. VERHAMME, T. MAAL, F. WILLEM, A. KUIJPERS-JAGTMAN, and M. CUNE (*Department of Oral and Maxillofacial Surgery, Prosthodontics and Special Dental Care, University Medical Centre, Utrecht, Netherlands*)
- S1253** Topography of the Pulp Chamber in the Upper Primary Molars. C. BACCOUCHE-BELHADJ*, F. SAID, and S. GHOUL-MAZGAR (*Faculty of Dental Medicine, Monastir, Tunisia*)
- 1254** 2 Pax9 Polymorphisms in Tooth Agenesis Patients in Eastern-Turkish Population. E. ISMAN*, O. SOKUCU, S. NERGIZ, and S. KUL (*Gaziantep Universitesi, Turkey*)

- 1255** Root-Form and Morphology of Human Permanent Mandibular First Molars. J.V. KARUNAKARAN* (*J K K Natarajah Dental College, Komarapalayam, Tamilnadu, India*)
- S1256** Temporal Topographic Features of Lower Permanent Molar Eruption. Y. HAMADA*, M. YAGI, and K. TAKADA (*Osaka University, Kochi, Japan*)

Seq#: 159 Thursday, 15 July 2010, 4:45 p.m. - 6 p.m.
Poster Session, Exhibit Hall

Network for Practice-based Research - Network for Practice-based Research I

- S1257** Re-orientating dental services towards prevention using evidence-based guidelines. C. BRIDGEMAN, R. SINGH*, S. SALEEM, S. TAYLOR, and R. HARRIS (*NHS Salford, United Kingdom*)
- S1258** Commissioning Dental Services Under the New Dental Contract in England. R. FREEMAN*, D. PEARSON, and C. PINE (*NHS Salford, United Kingdom*)
- 1259** Attitude Concordance Between Dental Providers: A CROWN Study. C. DEMKO* and S. WOTMAN (*Case School of Dental Medicine, Cleveland, OH, USA*)
- 1260** General Dentists' Evaluation of a Clinical Governance Training Pack. G. DARBY* (*Kent Surrey Sussex Postgraduate Dental Deanery, London, United Kingdom*)
- 1261** Changes in General Dentists' Clinical Governance Compliance after Facilitation. J. ELSDEN*, K. EATON, and C. AREVALO (*South East Coast Health Authority, Horley, Surrey, UK, United Kingdom*)
- 1262** Analysis of the competency of General Dental Practice Research Facilitators. R. LADWA*, K. EATON, P. BATCHELOR, and A. NARAIN (*Faculty of General Dental Practice (UK), London, United Kingdom*)
- 1263** Factors used to rate dentists' technical skills: from "The Dental-PBRN". J.L. RILEY, III*, V.V. GORDAN, C.T. AJMO, M.B. JACKSON, G.H. GILBERT, and DPBRN COLLABORATIVE GROUP (*University of Florida, Gainesville, USA*)
- 1264** Successfully engaging practitioners to present research from The Dental PBRN. P.A. HARRIS*, D.L. MCEDEWARD, S.G. BROTMAN, G.M. LEASE, D.B. RINDAL, G.H. GILBERT, V.V. GORDAN, and DPBRN COLLABORATIVE GROUP (*University of Florida, Gainesville, USA*)
- 1265** Value of in-office audits in The Dental Practice-Based Research Network. D.L. MCEDEWARD*, P.A. HARRIS, B. THACKER, M.M. KOYFMAN, G.H. GILBERT, O.D. WILLIAMS, V.V. GORDAN, and DPBRN COLLABORATIVE GROUP (*University of Florida, Gainesville, USA*)
- 1266** Predictors of Post-operative Pain for Routine Dentistry in Primary Care. V. AGGARWAL*, K. MILSON, L. MORRIS, F. CRAWFORD, and M. TICKLE (*University of Manchester, United Kingdom*)
- S1267** Effectiveness of a self-etch adhesive: a practice-based evaluation. H. FRON*, C. MOUSSALLY, S. CAZIER, G. SAVARD, A.-L. SIMON, J.-B. CHIEZE, G. TIRLET, J.-N. VERGNES, and J.-P. ATTAL (*University Paris Descartes, Montrouge, France*)
- 1268** A Practice-Based Research Group Evaluation of a Novel Composite Restorative. R. CRISP* and F.J.T. BURKE (*University of Birmingham, United Kingdom*)

Lovric Z, Vodanovic M, Dumancic J, Cukovic Bagic I, Petrovecki M, Brkic H. Third Molar Development in Croatian Children and Young Adults . 88th IADR General Session & Exhibition, Barcelona, Spain, July 14 – 17, 2010. J Dent Res. 2010;89(Spec ISS B): abstract number 1244.

1244 Third Molar Development in Croatian Children and Young Adults

Thursday, July 15, 2010: 3 p.m. - 4:15 p.m.

Location: Exhibit Hall (CCIB)

[Z. LOVRIC](#)¹, M. VODANOVIC², J. DUMANCIC², I. CUKOVIC-BAGIC², M. PETROVECKI³, and H. BRKIC², ¹Private Dental Clinic, Zagreb, Croatia, ²University of Zagreb School of Dental Medicine, Zagreb, Croatia, ³University of Rijeka School of Medicine, Rijeka, Croatia

Objectives: Dental age estimation is common in clinical orthodontics, pedodontics, paleodontology and forensic dentistry. The aim of this study was to assess chronological course of pre-eruptive and eruptive development phase of third molars and to establish parameters for a sample of Croatian population in clinical and forensic dentistry. Materials and Methods: Sample of this study consisted of 1249 standard OPGs; there were 530 (42.4%) male and 719 (57.6%) female subjects whose OPGs were used, aged 10 to 25 years. Eruptive phases were classified in 4 stages, from A to D according to Olze et al. (2007.) Results: results on third molar eruption are in accordance with earlier publications on Caucasoid. Conclusion: results of this study can be used in clinical and forensic research on samples of Croatian population. This study was supported by the Ministry of Science, Education and Sports of the Republic of Croatia; Grant No. 065-0650445-0423 (Human dentition in forensic and archaeological researches.

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