







The Pivotal Role of Oral and Maxillofacial Radiology in Dentistry

November 10-12, 2016

The Empress International Convention Center, Chiang Mai, Thailand

THE 11th ASIAN CONGRESS OF ORAL AND MAXILLO-FACIAL RADIOLOGY

PROGRAM and ABSTRACT BOOK

The Empress International Convention Center
Chiang Mai, Thailand

November 10-12, 2016







Organized by

Asian Academy of Oral and Maxillo-Facial Radiology & Faculty of Dentistry, Chiang Mai University, Chiang Mai, Thailand

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	Sat 12 Nov 2016				Poster presentation Session 2		Ball Room	Session 12	Special lecture (8)	"Interactive case-based learning"	Dr. Onanong Silkosessak Closing Ceremony	Faroncoll party	12 00-13 30											
				The state of the s					Board Room	100	Meeting Meeting													
	11 11 Nov 2016		Registration	15,00	Poster presentation Session 1	4 50000	Oral Presentation	Session 8	ROOM B	Oral Dracontation	Session 11	ch		Room)	gist's Perspective"	Room)			Room) Lation of oral cancer"					nner 1.00
	41111		Regis		Poster present	A MOOD	Oral Presentation	Session 7	ROOM A	Oral Presentation	Session 10	Lunch		Special lecture (5) (Ball Room)	Forensic Odontology from the Radiologist's Perspective" Prof. Edwin T. Parks	Special lecture (6) (Ball Room) Radiographic assessment of jaw bone quality"	Prof. Min-Suk Heo	Break	"The role of diagnostic imaging in the evaluation of oral cancer"	Dr. Yoshinobu Yanagi	General Assembly			Gala Dinner 18.00-21.00
Management						BALL ROOM	Oral Presentation	Session 6	BALL ROOM	Oral Presentation	Session 9			Spe	Forensic Odo	Spe "Radiogra			Spe The role of diagno					
16				Room)	Special lecture (1) (Ball Room) "Justification of radiographs - more is not always better".	telt	Special lecture (2) (Ball Room) "Evidence-based dentistry needs high-quality radiology"	UIIL	I Room)	adiology"	I Room) I neck , how can a ence?"			ROOM B	o	Session 3		Ducal	Board Room	Executive AAOMED				
Thurs 10 Nov 2016		Registration	07.00-16.00	Opening Ceremony (Ball Room)	Special lecture (1) (Ball Room)	Prof. Paul van der Stelt	Special lecture (2) (Ball Room) based dentistry needs high-quality	Break	Special lecture (3) (Ball Room)	Image rusion in dental radiology" Prof. Gang Li	Special lecture (4) (Ball Room) "Ultrasound imaging of the head and neck , how can a radiologist make a difference?" Or Rose Mori	Lunch		ROOM A	Oral Presentation	Session 2		Broak	ROOM A	Oral Presentation	Session 5			Welcome Party 18.00-21.00
				Open	Speci "Justification of r		Speci "Evidence-based		Speci.	Imag	Specia "Ultrasound image radio			BALL ROOM	Oral Presentation	1 UOISSAC		Break	BALL ROOM	Oral Presentation	Session 4			
Wed 9 Nov 2016															V-	Registration								
Time	07.00 AM	08.00 AM	244 00 00	US.30 AIM	09.00 AM	09.30 AM	09.45 AM	10.30 AM	10.45 AIVI	11 30 AM	11.30 API	12.15 PM	13.00 PM	13.15 PM	14.00 PM		14.45 PM	15.00 PM	15.15 PM	15.45 PM	16.30 PM	17.00 PM	18.00 PM	21.00 PM

Thursday, 10 November 2016

Time	Program						
08.30-09.00	Opening Ceremony Place: Ball Room Chairperson: Assist. Prof. Karune Verochana Co-Chairperson: Assist. Prof. Apirum Janhom						
09.00-09.45	Special Lecture (1)	Prof. Paul					
	"Justification of radiographs : more is not always better"	van der Stelt					
09.45-10.30	Special Lecture (2)	Prof. Madeleine					
	"Evidence-based dentistry needs high-quality radiology"	Rohlin					
10.30-10.45	Break						
	Place: Ball Room Chairperson: Prof. Keiji Tanimoto Co-Chairperson: Assist. Prof. Pipop Sutthiprapa	porn					
10.45-11.30	Special Lecture (3) "Image fusion in dental radiology"	Prof. Gang Li					
11.30-12.15	Special Lecture (4) "Ultrasound imaging of the head and neck, how can a radiologist make a difference?"	Dr. Rose Ngu					
12.15-13.15	Lunch						
13.15-15.00	Oral Presentation Session 1: OP01-OP07 Place: Ball Room Theme: Forensic dentistry/ Age estimation Chairperson: Prof. Christina Lindh Co-Chairperson: Dr. Pisha Pittayapat Oral Presentation Session 2: OP08-OP14 Place: Room A Theme: Jaw bone lesions/ CBCT/ CT Chairperson: Prof. Wichitsak Cholitgul Co-Chairperson: Assoc. Prof. Suchaya Pornprasertsuk-Damrongs Oral Presentation Session 3: OP15-OP20 Place: Room B Theme: Jaw bone lesions/ CBCT/ TMJ Chairperson: Prof. Kivanc Kamburoglu Co-Chairperson: Assist. Prof. Ajiravudh Subarnbhesaj	Page 25, 57-63 See details on Page 26, 64-70					
15.00-15.15	Break						
15.15-17.00	Dral Presentation Session 4: OP21-OP27 Place: Ball Room Theme: Forensic/Caries/ Periodontal Chairperson: Assist. Prof. Teekayu Plangkoon Jorns Co-Chairperson: Assist. Prof. Raweewan Arayasantiparb Oral Presentation Session 5: OP28-OP34 Place: Room A Theme: Ortho/ Cleft/CBCT/ Implant Chairperson: Prof. Eun-Kyung Kim Co-Chairperson: Dr. Aree Kanjanaprapas Executive AAOMFR Board Meeting: Place - Board room						
18.00-2100	Welcome Party						
10.00-2100							

Friday, 11 November 2016

Time	Program					
08.30-09.30	Poster Presentation Session 1: PP001-057 (Hall areas, Floor2)	See details on Page 125-181				
09.30-10.30	Oral Presentation Session 6: OP35-OP38	See details				
	Place: Ball Room Theme: CT/ CBCT	on				
	Chairperson: Dr.Menik Priaminiarti	Page 30, 91-94				
	Co-Chairperson: Dr. Kornkamol Kreetapirom					
	Oral Presentation Session 7: OP39-OP42	See details				
	Place: Room A Theme: Digital image/ Pan/ Infection conti	rol on				
	Chairperson: Prof. Junichi Asaumi	Page 31, 95-98				
	Co-Chairperson: Dr. Preeyaporn Srimawong					
	Oral Presentation Session 8: OP43-OP46	See details				
	Place: Room B Theme: Radiation Biology	on				
	Chairperson: Prof. Phrabhakaran Nambiar	Page 32, 99-10				
	Co-Chairperson: Dr. Piyanuch Karnasuta					
10.30-10.45	Break					
10.45-12.15	Oral Presentation Session 9: OP47-OP52	See details				
	Place: Ball Room Theme: Endo/ Sinus/ Caries/ Root resorption	on				
	Chairperson: Prof. Suhardjo Sitam	Page 33, 103-10				
	Co-Chairperson: Dr. Pasupen Kosalagood					
	Oral Presentation Session 10: OP53-OP58	See details				
	Place: Room A Theme: Trauma/ Root fracture/ Survey/ CBC	T on				
	Chairperson: Assoc. Prof. Suwadee Kositbowornchai	Page 34,109-11				
	Co-Chairperson: Dr. Chonatee Chinkrua					
	Oral Presentation Session 11: OP59-OP62	See details				
	Place: Room B Theme: Radiation biology/ Ceph/ Bone densit	y on				
	Chairperson: Assoc. Prof. Soontra Panmekiate	Page 35, 115-11				
	Co-Chairperson: Dr. Lusi Epsilawati					
	AAOMFR Board Meeting: Place - Board Room (F	loor1)				
12.15-13.15	Lunch					
	Place: Ball Room					
	Chairperson: Prof. Yoshinori Arai					
	Co-Chairperson: Dr. Phonkit Sinpitaksakul					
13.15-14.00	Special Lecture (5)	Prof. Edwin T.				
	" Forensic Odontology from the Radiologist's Perspective"	Parks				
14.00-14.45	Special Lecture (6)	Prof. Min-Suk				
	"Radiographic assessment of jaw bone quality" He					
14.45-15.00	Break					
	Place: Ball Room					
	Chairperson: Professor Li-Min Lin					
	Co-Chairperson: Dr. Arnon Charuakkra					
15.00-15.45	Special Lecture (7)	Dr. Yoshinobu				
	"The role of diagnostic imaging in the evaluation of oral cancer"	Yanagi				
15.45-16.45	General Assembly: Place - Ball Room					
-5.45 10.45	General Assembly, Flace - ball Room					

Standard of age estimation using tooth Coronal - Index (TCI) for the population of Surabaya

E. Astuti¹, Y. Savitri¹, S. Mulyani¹, O. Wahyuni¹, D. Saputra¹, R. Putra¹.

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Introduction: Age estimation is one of the individual identification procedures, both wing and dead. TCI is a suitable method to apply for forensic purposes and it has been applied in the population of some countries, but it has never been done in population of Surabaya.

Objectives: The study was aimed to test TCI method as a predictor in determining the chronological age in order to create a standard of age estimation in the population of Surabaya, Indonesia.

Materials and methods: Analysis was conducted in 171 orthopantomograms of the population of Surabaya consisted of 80 women and 91 men, aged between 9-79 years. TCI was calculated on the mandibular teeth of left and right premolars, and the first and second molars. To test the bilateral asymmetry, the data were analyzed by paired sample t -test, then followed by a simple linear regression to create a standard of age

Results: The results indicated that the left mandibular of the first molar in women were the most accurate in estimating the chronological age (SEE + 8.141 years) while in a simple linear regression of men and women (pooled sample) it showed that the bilateral of the first and second molar were the most accurate regions in predicting the chronological age (SEE + 12.135 years).

Conclusions: Based on the results, it has been proven that TCI models can be used to predict the chronological age of the population of Surabaya for forensic purposes.

Keywords: Age estimation, Tooth coronal - index, Orthopantomogram