Original Article

The relationship of forensic odontology with various dental specialties in the articles published in the Journal of Forensic odonto-stomatology from 2005 to 2012

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Abstract

Background: There is a paucity of information about the relationship of forensic odontology with various dental specialties in the articles published in the Journal of Forensic Odonto-Stomatology. This study aimed to find the relationship of forensic odontology with various dental specialties in the articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012 over an 8-year period. **Methods:** Bibliometric analysis was performed using web-based search during December 2013. **Results:** Out of the total 97 published articles, the maximum number of published articles were related to oral medicine and radiology (20) and community dentistry (20), followed by orthodontics (18), prosthodontics (15), and oral pathology and microbiology (8), pedodontics (7), oral and maxillofacial surgery (4) and conservative dentistry and endodontics (3). Among the articles published in Journal of Forensic Odonto-Stomatology, mass disasters (10) and bite mark analysis (10), followed by sexual dimorphism (8) and dental fraud and malpractice (8), followed by craniofacial superimposition (6) and identification (6) form the major attraction of the contributors. **Conclusion:** This paper has tried to evaluate the new working classification proposed for forensic odontology based on its relationship with other dental specialties.

Key words: Dental specialties, forensic odontology, Journal of Forensic Odonto-Stomatology, relationship

INTRODUCTION

Forensic odontology is a legal field of dentistry, which deals with the proper handling and examination of dental evidence and with the proper evaluation and presentation of dental findings in the interest of justice.[1] A working classification about the interrelationship of nine individual dental specialties with forensic odontology was formulated, and a detailed review about the relationship of these dental specialties with forensic odontology was ascertained.[2,3]

The main objective of this study is to find the relationship of forensic odontology with various dental specialties in the articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012.

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METHODS

Ethical approval for this study was obtained from the Institutional Ethics Committee. All of the protocols for this study were performed in accordance with the Declaration of Helsinki. The author has no known conflict of interest associated with the study and there has been no significant financial support for this work that could have influenced its outcome. A total of 16 issues of Journal of Forensic Odonto-Stomatology from 2005 to 2012 were analyzed. This was available on the journal website http://www.iofos.eu/JFOSOnline2.html (Last accessed on 2013 Dec 30). The article contents were scrutinized based on the relationship of forensic odontology with other dental specialties. The contents of the published articles were categorized into nine individual dental specialty articles based on the new working classification proposed for forensic odontology.[2] The dental specialties considered were oral pathology and microbiology, oral medicine and radiology, oral and maxillofacial surgery,

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Table 1: The relationship of forensic odontology with various dental specialities in the articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012

Articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012	Dental speciality-section
JFOS Vol 23:1 June 2005	
James H. Thai Tsunami victim identification-overview to date. J Forensic Odontostomatol 2005;23:1-18	Community dentistry-mass disasters
Andersen Torpet L. DVI System International: Software assisting in the Thai tsunami victim identification process. J Forensic Odontostomatol 2005;23:19-25	Community dentistry-mass disasters
Muthusubramanian M, Limson KS, Julian R. Analysis of rugae in burn victims and cadavers to simulate rugae identification in cases of incineration and decomposition. J Forensic Odontostomatol 2005;23:26-9	Prosthodontics-palatal rugoscopy
JFOS Vol 23:2 December 2005	
Avon SL, Wood RE. Porcine skin as an *in-vivo* model for ageing of human bite marks. J Forensic Odontostomatol 2005;23:30-9	Prosthodontics-bite mark analysis
Sejrsen B, Lynnerup N, Hejmadi M. An historical skull collection and its use in forensic odontology and anthropology. J Forensic Odontostomatol 2005;23:40-4	Orthodontics-race identification
Hayes S, Taylor R, Paterson A. Forensic facial approximation: An overview of current methods used at the Victorian Institute of Forensic Medicine/Victoria Police Criminal Identification Squad. J Forensic Odontostomatol 2005;23:45-50	Orthodontics-craniofacial superimposition
Healey DL, Kieser JA. Unusual fatal dog attack in Dunedin, New Zealand. J Forensic Odontostomatol 2005;23:51-4	Prosthodontics-bite mark analysis
Raitz R, Fenyo-Pereira M, Hayashi AS, Melani R. Dento-maxillo-facial radiology as an aid to human identification. J Forensic Odontostomatol 2005;23:55-9	Oral medicine and radiology-identification
JFOS Vol 24:1 June 2006	
Pretty IA, Sweet DJ. The judicial view of bitemarks within the United States Criminal Justice System. J Forensic Odontostomatol 2006;24:1-11	Prosthodontics-bite mark analysis
James H. Good bite mark evidence: A case report. J Forensic Odontostomatol 2006;24:12-3	Prosthodontics-bite mark analysis
van der Velden A, Spiessens M, Willems G. Bite mark analysis and comparison using image perception technology. J Forensic Odontostomatol 2006;24:14-7	Prosthodontics-bite mark analysis
Reichart PA, Creutz U, Scheifele C. Unusual foreign metallic object (nail) in the dentition of a skull from the anthropological collection of Rudolf Virchow (Berlin). J Forensic Odontostomatol 2006;24:18-21	Oral medicine and radiology-identification
Dierickx A, Seyler M, de Valck E, Wijffels J, Willems G. Dental records: A Belgium study. J Forensic Odontostomatol 2006;24:22-31	Oral medicine and radiology-maintenance of dental records
JFOS Vol 24:2 December 2006	
Higgins D, James H. Classifications used by Australian forensic odontologists in identification reports. J Forensic Odontostomatol 2006;24:32-5	Oral medicine and radiology-comparative dental identification
Aboshi H, Takahashi T, Komuro T. Component analysis of dental porcelain for assisting dental identification. J Forensic Odontostomatol 2006;24:36-41	Prosthodontics-identification from dentures
Fridell S, Ahlqvist J. The use of dental radiographs for identification of children with unrestored dentitions. J Forensic Odontostomatol. 2006 Dec;24(2):42-6	Oral medicine and radiology-identification
Al-Amad S, McCullough M, Graham J, Clement J, Hill A. Craniofacial identification by computer-mediated superimposition. J Forensic Odontostomatol 2006;24:47-52	Orthodontics-craniofacial superimposition
Avon SL, Mayhall JT, Wood RE. Clinical and histopathological examination of experimental bite marks *in-vivo*. J Forensic Odontostomatol 2006;24:53-62	Prosthodontics-bite mark analysis
Steyn N, Botha SJ, Brand PD, Bernitz H. A pilot study to determine the effects of skin contact on two commonly used dental impression materials. J Forensic Odontostomatol 2006;24:63-6	Prosthodontics-impressions and casts
JFOS Vol 25:1 June 2007	
Pinchi V, Forestieri AL, Calvitti M. Thickness of the dental (radicular) cementum: A parameter for estimating age. J Forensic Odontostomatol 2007;25:1-6	Oral pathology and microbiology-age estimation
Francesquini Júnior L, Francesquini MA, De La Cruz BM, Pereira SD, Ambrosano GM, Barbosa CM, *et al.* Identification of sex using cranial base measurements. J Forensic Odontostomatol 2007;25:7-11	Orthodontics-sex identification
Nicopoulou-Karayianni K, Mitsea AG, Horner K. Dental diagnostic radiology in the forensic sciences: Two case presentations. J Forensic Odontostomatol 2007;25:12-6	Oral medicine and radiology-identification
Salo S, Salo H, Liisanantti A, Reponen J. Data transmission in dental identification of mass disaster victims. J Forensic Odontostomatol 2007;25:17-22	Community dentistry-mass disasters
Al-Amad SH, Clement JG, McCullough MJ, Morales A, Hill AJ. Evaluation of two dental identification computer systems: DAVID and WinID3. J Forensic Odontostomatol 2007;25:23-9	Oral medicine and radiology-comparative dental identification
JFOS Vol 25:2 December 2007	
Ardakani F, Bashardoust N, Sheikhha M. The accuracy of dental panoramic radiography as an indicator of chronological age in Iranian individuals. J Forensic Odontostomatol 2007;25:30-5	Oral medicine and radiology-age estimation using mandibular third molar
Ayoub F, Cassia A, Chartouni S, Atiyeh F, Rizk A, Yehya M, *et al.* Applicability of the dimodent equation of sex prediction in a Lebanese population sample. J Forensic Odontostomatol 2007;25:36-9	Orthodontics-sexual dimorphism
Coward RC. The stability of lip pattern characteristics over time. J Forensic Odontostomatol 2007;25:40-56	Oral medicine and radiology-cheiloscopy

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Table 1: Contd...

Articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012	Dental speciality-section
De Salvia A, Sergolini L, Pescarolo D. An atypical air bag injury? J Forensic Odontostomatol 2007;25:57-60	Oral pathology and microbiology-regressive alterations of teeth
Suhas S, Kumar CA. "Choump" enamel tattoos. J Forensic Odontostomatol 2007;25:61-2	Community dentistry-socioeconomic grouping
Brown KA. Procedures for the collection of dental records for person identification. J Forensic Odontostomatol 2007;25:63-4	Oral medicine and radiology-maintenance of dental records
JFOS Online Vol 26:1 June 2008	
Stephan CN, Murphy SJ. Mouth width prediction in craniofacial identification: Cadaver tests of four recent methods, including two techniques for edentulous skulls. J Forensic Odontostomatol 2008;26:2-7	Orthodontics-craniofacial superimposition
Nuzzolese E, Lusito S, Solarino B, Di Vella G. Radiographic dental implants recognition for geographic evaluation in human identification. J Forensic Odontostomatol 2008;26:8-11	Oral and maxillofacial surgery-identification from implants
Silva RF, Pereira SD, Prado FB, Daruge E 2nd, Daruge E. Forensic odontology identification using smile photograph analysis-Case reports. J Forensic Odontostomatol 2008;26:12-7	Orthodontics-craniofacial superimposition
Ayoub F, Yehia M, Rizk A, Al-Tannir M, Abi-Farah A, Hamadeh G. Forensic norms of female and male Lebanese adults. J Forensic Odontostomatol 2008;26:18-23	Orthodontics-cephalometrics
Rai B, Krishan K, Kaur J, Anand SC. Technical note: Age estimation from mandible by lateral cephalogram: A preliminary study. J Forensic Odontostomatol 2008;26:24-8	Orthodontics-cephalometrics
JFOS Online Vol 26:2 December 2008	
Rai B. The evaluation of two radiographic methods for age determination of children in an Indian population. J Forensic Odontostomatol 2008;26:30-3	Pedodontics-age estimation
Pinchi V, Zei G. Two positive identifications assessed with occasional dental findings on nondental X-rays. J Forensic Odontostomatol 2008;26:34-8	Orthodontics-craniofacial superimposition
Cattaneo C, De Angelis D, Ruspa M, Gibelli D, Cameriere R, Grandi M. How old am I? Age estimation in living adults: A case report. J Forensic Odontostomatol 2008;26:39-43	Oral medicine and radiology-pulp/tooth area ratio of teeth
Augustine J, Barpande SR, Tupkari JV. Cheiloscopy as an adjunct to forensic identification: A study of 600 individuals. J Forensic Odontostomatol 2008;26:44-52	Oral medicine and radiology-cheiloscopy
Acharya AB, Mainali S. Are dental indexes useful in sex assessment? J Forensic Odontostomatol 2008;26:53-9	Orthodontics-sexual dimorphism
JFOS Online Vol 27:1 June 2009	
Gelbrich B, Gelbrich G, Lessig R. Does the quality of dental images depend on patient's age and sex?-Explanations from the forensic sciences. J Forensic Odontostomatol 2009;27:2-11	Oral medicine and radiology-comparative dental identification
Prado FB, de Mello Santos LS, Caria PH, Kawaguchi JT, Preza AD, Daruge E Jr, *et al.* Incidence of clavicular rhomboid fossa (impression for costoclavicular ligament) in the Brazilian population: Forensic application. J Forensic Odontostomatol 2009;27:12-6	Forensic anthropology-sexual dimorphism
Phillips VM, Stuhlinger M. The discrimination potential of amalgam restorations for identification: Part 1. J Forensic Odontostomatol 2009;27:17-22	Conservative dentistry and endodontics-restorations
Phillips VM, Stuhlinger M. The discrimination potential of amalgam restorations for identification: Part 2. J Forensic Odontostomatol 2009;27:23-6	Conservative dentistry and endodontics-restorations
Zondag H, Phillips VM. The discrimination potential of radio-opaque composite restorations for identification: Part 3. J Forensic Odontostomatol 2009;27:27-32	Conservative dentistry and endodontics-restorations
Radford G, Kieser JA, Bernal V, Waddell JN, Forrest A. Biomechanical approach to human bitemark reconstruction. J Forensic Odontostomatol 2009;27:33-6	Prosthodontics-bite mark analysis
JFOS Online Vol 27:2 December 2009	
Devos N, Willems G, Wood R. Objective human tooth colour measurements as a means of determining chronologic age *in vivo* and *ex vivo*. J Forensic Odontostomatol 2009;27:2-8	Oral pathology and microbiology-age estimation
Karkhanis S, Ball J, Franklin D. Macroscopic and microscopic changes in incinerated deciduous teeth. J Forensic Odontostomatol 2009;27:9-19	Paedodontics-effect of heat on teeth
Phillips VM, van Wyk Kotze TJ. Testing standard methods of dental age estimation by Moorrees, Fanning and Hunt and Demirjian, Goldstein and Tanner on three South African children samples. J Forensic Odontostomatol 2009;27:20-8	Paedodontics-age estimation
Phillips VM, van Wyk Kotze TJ. Dental age related tables for children of various ethnic groups in South Africa. J Forensic Odontostomatol 2009;27:29-44	Paedodontics-age estimation
Rai B, Kaur J, Anand SC. Mandibular third molar development staging to chronologic age and sex in north Indian children and young adults. J Forensic Odontostomatol 2009;27:45-9	Oral medicine and radiology-eruption and formation of mandibular third molar
Ashar A, James H, Higgins D, Kaidonis J, Anderson RW. The effect of motor vehicle airbag deployment on tooth surfaces. J Forensic Odontostomatol 2009;27:50-5	Oral pathology and microbiology-regressive alterations of teeth
Taylor J. Development of the Australian Society of Forensic Odontology disaster victim identification forensic odontology guide. J Forensic Odontostomatol 2009;27:56-63	Community dentistry-mass disasters
Taylor J. A brief history of forensic odontology and disaster victim identification practices in Australia. J Forensic Odontostomatol 2009;27:64-74	Community dentistry-mass disasters
Dennison KJ. Fused atlantic posterior arch hypoplasia-rachischisis? J Forensic Odontostomatol 2009;27:75-80	Forensic anthropology-sexual dimorphism
Anand Kumar C, Hemant S. Case report-"Choumps" enamel tattoos revisited. J Forensic Odontostomatol 2009;27:81-6	Community dentistry-socioeconomic grouping
JFOS Online Vol 28:1 December 2010	

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Table 1: Contd...

Articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012	Dental speciality-section
Berketa J, James H, Marino V. Survival of batch numbers within dental implants following incineration as an aid to identification. J Forensic Odontostomatol 2010;28:1-4	Oral and maxillofacial surgery-identification from implants
Wenzel A, Richards A, Heidmann J. Matching simulated antemortem and postmortem dental radiographs from human skulls by dental students and experts: Testing skills for pattern recognition. J Forensic Odontostomatol 2010;28:5-12	Oral medicine and radiology-identification
Dias PE, Beaini TL, Melani RF. Age estimation from dental cementum incremental lines and periodontal disease. J Forensic Odontostomatol 2010;28:13-21	Oral pathology and microbiology-cemental incremental lines
Macaluso PJ Jr. Sex discrimination potential of permanent maxillary molar cusp diameters. J Forensic Odontostomatol 2010;28:22-31	Orthodontics-sexual dimorphism
Schmeling A, Olze A, Pynn BR, Kraul V, Schulz R, Heinecke A, *et al.* Dental age estimation based on third molar eruption in First Nation people of Canada. J Forensic Odontostomatol 2010;28:32-8	Oral medicine and radiology-eruption and formation of third molar
Tinoco RL, Martins EC, Daruge E Jr, Daruge E, Prado FB, Caria PH. Dental anomalies and their value in human identification: A case report. J Forensic Odontostomatol 2010;28:39-43	Orthodontics-craniofacial superimposition
JFOS Online Vol 29:1 July 2011	
Jagannathan N, Neelakantan P, Thiruvengadam C, Ramani P, Premkumar P, Natesan A, *et al.* Age estimation in an Indian population using pulp/tooth volume ratio of mandibular canines obtained from cone beam computed tomography. J Forensic Odontostomatol 2011;29:1-6	Oral medicine and radiology-pulp/tooth area ratio of teeth
Lima L, da Costa Y, Tinoco R, Rabello P, Daruge E Jr. Stature estimation by Carrea's index and its reliability in different types of dental alignment. J Forensic Odontostomatol 2011;29:7-13	Orthodontics-sexual dimorphism
Saraf A, Bedia S, Indurkar A, Degwekar S, Bhowate R. Rugae patterns as an adjunct to sex differentiation in forensic identification. J Forensic Odontostomatol 2011;29:14-9	Prosthodontics-palatal rugoscopy
Shukla D, Chowdhry A, Bablani D, Jain P, Thapar R. Establishing the reliability of palatal rugae pattern in individual identification (following orthodontic treatment). J Forensic Odontostomatol 2011;29:20-9	Prosthodontics-palatal rugoscopy
Tedeschi-Oliveira SV, Trigueiro M, Oliveira RN, Melani RF. Intercanine distance in the analysis of bite marks: A comparison of human and domestic dog dental arches. J Forensic Odontostomatol 2011;29:30-6	Prosthodontics-bite mark analysis
Sonika V, Harshaminder K, Madhushankari GS, Sri Kennath JA. Sexual dimorphism in the permanent maxillary first molar: A study of the Haryana population (India). J Forensic Odontostomatol 2011;29:37-43	Orthodontics-sexual dimorphism
Dawidson I. Case reports and background: Difficulties with identification-Sweden. J Forensic Odontostomatol 2011;29:44-50	Oral medicine and radiology-identification
Bharti A, Angadi PV, Kale AD, Hallikerimath SR. Efficacy of "Dimodent" sex predictive equation assessed in an Indian population. J Forensic Odontostomatol 2011;29:51-6	Orthodontics-sexual dimorphism
JFOS Online Vol 29:2 December 2011	
Trengrove H. Operation earthquake 2011: Christchurch earthquake disaster victim identification. J Forensic Odontostomatol 2011;29:1-7	Community dentistry-mass disasters
Lee S, Lee UY, Han SH, Lee SS. Forensic odontological examination of a 1500 year-old human remain in ancient Korea (Gaya). J Forensic Odontostomatol 2011;29:8-13	Community dentistry-mass disasters
Vodanović M, Dumančić J, Galić I, Savić Pavičin I, Petrovečki M, Cameriere R, *et al.* Age estimation in archaeological skeletal remains: Evaluation of four nondestructive age calculation methods. J Forensic Odontostomatol 2011;29:14-21	Oral pathology and microbiology-age estimation
Jayaraman J, King NM, Roberts GJ, Wong HM. Dental age assessment: Are Demirjian's standards appropriate for southern Chinese children? J Forensic Odontostomatol 2011;29:22-8	Pedodontics-Demirjian's method
Golden GS. Standards and practices for bite mark photography. J Forensic Odontostomatol 2011;29:29-37	Prosthodontics-bite mark analysis
Berketa J, James H, Marino V. A pilot study in the recovery and recognition of nonosseointegrated dental implants following cremation. J Forensic Odontostomatol 2011;29:38-44	Oral and maxillofacial surgery-identification from implants
Randhawa K, Narang RS, Arora PC. Study of the effect of age changes on lip print pattern and its reliability in sex determination. J Forensic Odontostomatol 2011;29:45-51	Oral medicine and radiology-cheiloscopy
JFOS Online Vol 30:1 July 2012	
Pittayapat P, Jacobs R, De Valck E, Vandermeulen D, Willems G. Forensic odontology in the disaster victim identification process. J Forensic Odontostomatol 2012;30:1-12	Community dentistry-mass disasters
Leite Cavalcanti A, Barros De Alencar CY, Sant'Anna Araujo Rodrigues I, Suenya de Almeida Pinto M, Fabia Cabral Xavier A, Leite Cavalcanti C, *et al.* Injuries to the head and face in Brazilian adolescents and teenagers victims of nonnatural deaths. J Forensic Odontostomatol 2012;30:13-21	Oral and maxillofacial surgery-maxillomandibular and dentoalveolar fractures
Corte-Real A, Anjos MJ, Vieira DM, Gamero JJ. The tooth for molecular analysis and identification: A forensic approach. J Forensic Odontostomatol 2012;30:22-8	Oral pathology and microbiology-DNA profiling from teeth
Shukla D, Vinuth DP, Sowmya SW, Jeevan MB, Kale AD, Hallikerimath S. Cementum made more visual. J Forensic Odontostomatol 2012;30:29-37	Oral pathology and microbiology-cementum histological analysis
Nascimento Correia Lima N, Fortes de Oliveira O, Sassi C, Picapedra A, Francesquini L Jr, Daruge E Jr. Sex determination by linear measurements of palatal bones and skull base. J Forensic Odontostomatol 2012;30:38-44	Orthodontics-sexual dimorphism
Johan NA, Khamis MF, Abdul Jamal NS, Ahmad B, Mahanani ES. The variability of lower third molar development in Northeast Malaysian population with application to age estimation. J Forensic Odontostomatol 2012;30:45-54	Oral medicine and radiology-eruption and formation of third molar
JFOS Online Vol 30: suppl. 1 November 2012	

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Table 1: Contd...

Articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012	Dental speciality-section
Van den Bossche AM, Ploscar P. Rights of dental patients in the EU-a legal assessment. J Forensic Odontostomatol 2012;30 Suppl 1:4-11	Community dentistry-dental fraud and malpractice
Albertsen A. Personal responsibility in oral health: Ethical considerations. J Forensic Odontostomatol 2012;30 Suppl 1:12-20	Community dentistry-dental fraud and malpractice
Marks L, Adler N, Blom-Reukers H, Elhorst JH, Kraaijenhagen-Oostinga A, Vanobbergen J. Ethics on the dental treatment of patients with mental disability: Results of a Netherlands-Belgium survey. J Forensic Odontostomatol 2012;30 Suppl 1:21-8	Community dentistry-dental fraud and malpractice
Nuzzolese E, Čuković-Bagić I. Expert witnesses in dentistry: A comparison between Italy and Croatia. J Forensic Odontostomatol 2012;30 Suppl 1:29-39	Community dentistry-dental fraud and malpractice
Craig PJ, Clement JG. The dentist's responsibilities with respect to a no fault motor accident compensation scheme. J Forensic Odontostomatol 2012;30 Suppl 1:40-6	Community dentistry-dental fraud and malpractice
Nuzzolese E. Missing people, migrants, identification and human rights. J Forensic Odontostomatol 2012;30 Suppl 1:47-59	Community dentistry-mass disasters
Sahelangi P, Novita M. Role of dentists in Indonesian disaster victim identification operations: Religious and cultural aspects. J Forensic Odontostomatol 2012;30 Suppl 1:60-71	Community dentistry-mass disasters
Ozar DT. Professionalism: Challenges for dentistry in the future. J Forensic Odontostomatol 2012;30 Suppl 1:72-84	Community dentistry-dental fraud and malpractice
Thevissen PW, Kvaal SI, Willems G. Ethics in age estimation of unaccompanied minors. J Forensic Odontostomatol 2012;30 Suppl 1:84-102	Community dentistry-dental fraud and malpractice
JFOS Online Vol 30:2 December 2012	
Nuzzolese E, Di Vella G. The development of a colorimetric scale as a visual aid for the bruise age determination of bite marks and blunt trauma. J Forensic Odontostomatol 2012;30:1-6	Prosthodontics-bite mark analysis
Naidoo S, Vernillo A. Ethical and legal issues on HIV testing, policy and the practice of dentistry. J Forensic Odontostomatol 2012;30:7-16	Community dentistry-dental fraud and malpractice
Pinchi V, Norelli GA, Pradella F, Vitale G, Rugo D, Nieri M. Comparison of the applicability of four odontological methods for age estimation of the 14 years legal threshold in a sample of Italian adolescents. J Forensic Odontostomatol 2012;30:17-25	Pedodontics-age estimation
Fortes de Oliveira O, Lima Ribeiro Tinoco R, Daruge Júnior E, Silveira Dias Terada AS, Alves da Silva RH, Paranhos LR. Sexual dimorphism in Brazilian human skulls: Discriminant function analysis. J Forensic Odontostomatol 2012;30:26-33	Orthodontics-sexual dimorphism
Ramanan N, Thevissen P, Fleuws S, Willems G. Dental age estimation in Japanese individuals combining permanent teeth and third molars. J Forensic Odontostomatol 2012;30:34-9	Pedodontics-age estimation

pedodontics, periodontics, conservative dentistry and endodontics, prosthodontics, orthodontics and finally community dentistry. The section on editorial, book review and conference proceedings in Journal of Forensic Odonto-Stomatology were excluded from the study.

RESULTS

The relationship of forensic odontology with various dental specialties in the articles published in the Journal of Forensic Odonto-Stomatology from 2005 to 2012 is summarized in Table 1.

DISCUSSION

There is a paucity of information about the relationship of forensic odontology with various dental specialties in the articles published in the Journal of Forensic Odonto-Stomatology. Regarding the relationship with various dental specialties, the maximum number of published articles were related to oral medicine and radiology (20) and community dentistry (20), followed by orthodontics (18), prosthodontics (15), and oral pathology and microbiology (8), pedodontics (7), oral and maxillofacial surgery (4) and conservative dentistry and endodontics (3). Two articles dealing with forensic anthropology were excluded from the study since it has no relationship with dental specialties based on the new working classification for forensic odontology.[2] In a recent study done on publication trends of a forensic odontology journal from India, regarding the relationship of forensic odontology with various dental specialties, the maximum numbers of published articles were related to oral medicine and radiology (30), followed by oral pathology and microbiology (16), prosthodontics (14), and orthodontics (10) and community dentistry (5).[4] Regarding the relationship of forensic odontology with various dental specialties, the maximum number of published articles were related to oral medicine and radiology in both journals (Journal of Forensic Odonto-Stomatology and Journal of Forensic Dental Sciences).

Among the articles published in Journal of Forensic Odonto-Stomatology, mass disasters (10) and bite mark analysis (10) followed by sexual dimorphism (8) and dental fraud and malpractice (8) followed by craniofacial superimposition (6) and identification (6)

form the major attraction of the contributors. In Journal of Forensic Dental Sciences, cheiloscopy (12) followed by palatal rugoscopy (9), sexual dimorphism (6) and cephalometrics (4) form the major attraction of the contributors.[4] The dental specialty such as periodontics was untouched over 8-year publication. In Journal of Forensic Dental Sciences, the two dental specialties such as oral and maxillofacial surgery and periodontics were untouched over 4 years publication.[4] Under periodontics specialty, the editorial board should include articles about age estimation using periodontosis (gum recession), root transparency and root length and identification using gingival morphology and pathology and thickness and widening of periodontal ligament and pathology and status of alveolar bone.[2]

The main limitation of this study is that the data is taken from only one journal to study the relationship of forensic odontology with various dental specialties.

CONCLUSION

To sum up, this paper has tried to evaluate the new working classification proposed for forensic odontology based on its relationship with other dental specialties.

REFERENCES

1. Shamim T. Forensic odontology. J Coll Physicians Surg Pak 2010;20:1-2.
2. Shamim T. A new working classification proposed for forensic odontology. J Coll Physicians Surg Pak 2011;21:59.
3. Shamim T. Forensic odontology. J Coll Physicians Surg Pak 2012;22:240-5.
4. Shamim T. Publication trends in the journal of forensic dental sciences 2009-2012. J Sci Res 2013;2:152-6.

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