

Editorial Board Committee

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Meetings

The Editorial Board Committee met in person at AAE23 and by teleconference and conducted routine business throughout the year via email and the EES manuscript website. The following provides a report of completed activities for our Journal of Endodontics.

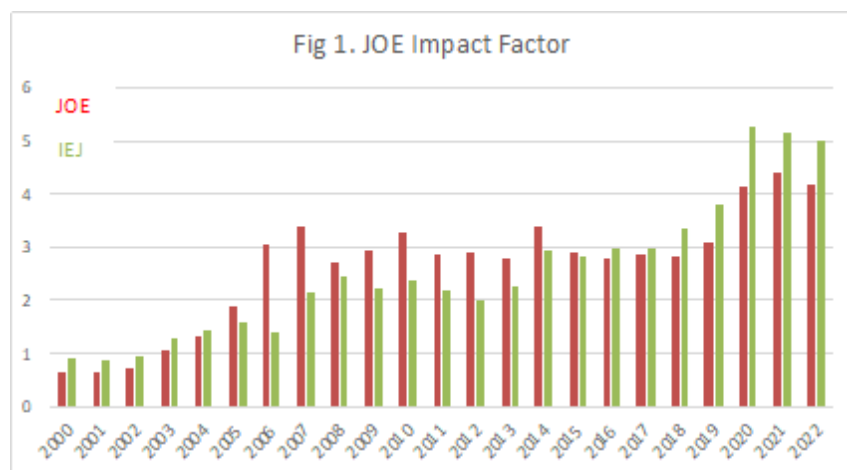
Mission of the *Journal of Endodontics*

The *Journal of Endodontics* is the official journal of the American Association of Endodontists. The Journal achieves global impact by serving as an authoritative resource that publishes high quality and timely contributions related to the art and science of endodontics and pulp biology from the fields of clinical and basic sciences, clinical therapeutics and educational research.

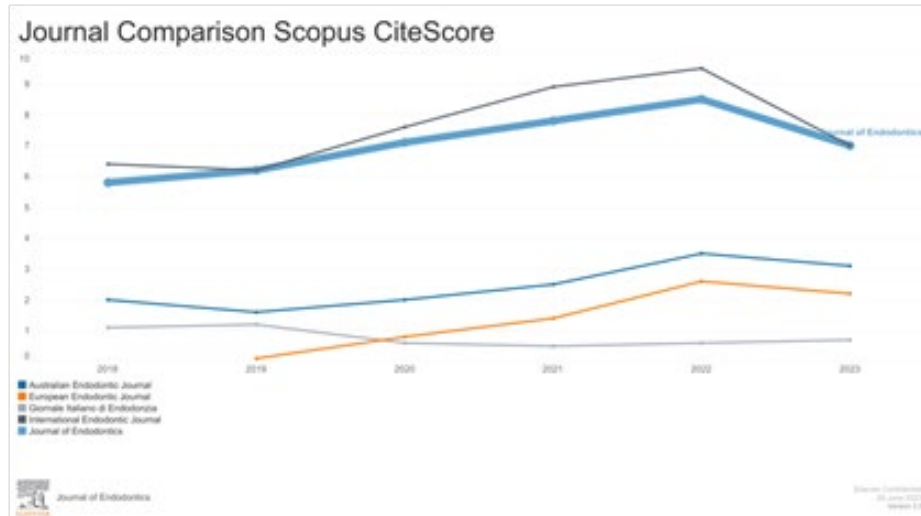
Completed Activities

We are proud to report the continued successes that have occurred with the Journal this year. With >382 endodontists and scientists from >25 countries currently serving as members of our Scientific Advisory Board (SAB), the JOE represents a substantial commitment to excellence by AAE members and endodontists around the world. Together, we believe that we have made steady progress in our efforts to improve an already strong publication, and we look forward to continued improvement in future years.

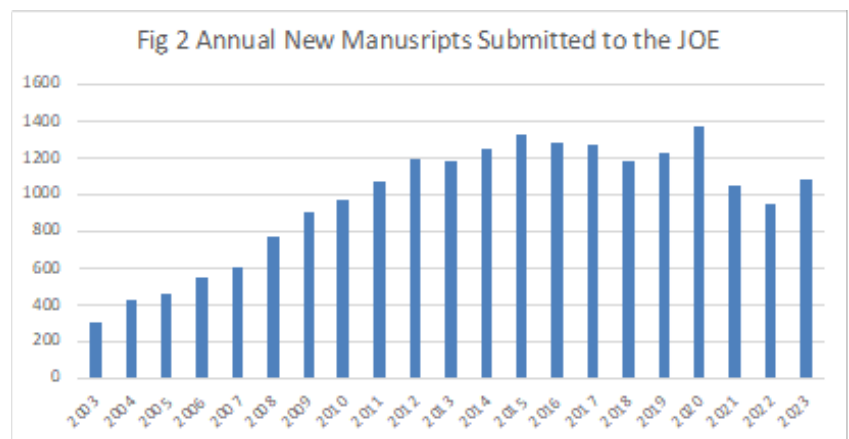
1. The JOE has developed an outstanding Impact Factor over the last two decades (Fig 1). The Impact Factor is a measure of how often a published paper is cited over the previous two years, and thus provides one measure of the scientific impact of a journal. The 2022 impact factor ranks the JOE #14 out of a total of 91 dental journals. Other measures are also quite strong: in 2021, the JOE generated considerably more total citations (22,657 vs 11,722) and published more papers than the IEJ. (Please note that the 2023 Impact Factor will not be published until summer of 2024).



Elsevier has recently supported another method to analyze the scientific impact of a journal. This metric is called “CiteScore” and measures the total number of citations over a three year period (vs two years for the Impact Factor metric). The JOE performs very well on this metric as does the IEJ. Indeed, the JOE was ranked 6th out of 109 journals in dentistry based on the CiteScore rank.



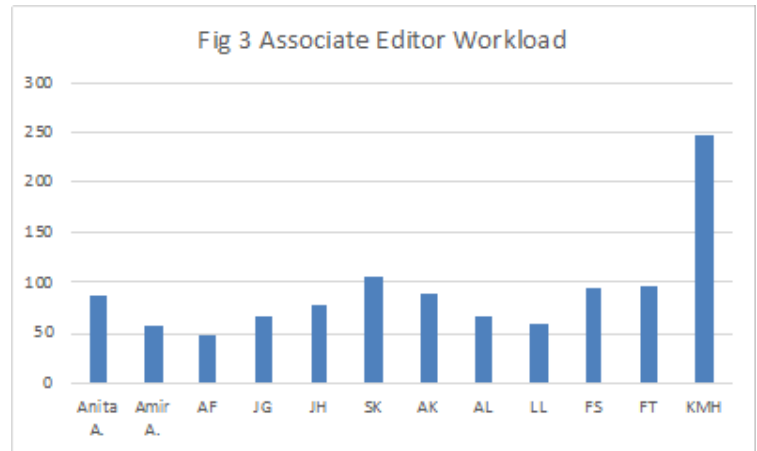
- There has been a 252% increase in the number of new manuscripts submitted to the JOE from 2003-2023 (Fig 2). We attribute this increase to the web-based manuscript submission system started in 2004 and (we hope) to the increasing stature of the Journal. This increase in submissions consisted of many manuscripts of good quality. In addition to the 1,087 new manuscripts submitted in 2020, an additional 281 revised manuscripts were submitted in response to a prior review. Thus, the Editorial Board reviewed a total of 1,368 manuscripts submitted in 2023, which equates to about 3.7 papers submitted every day throughout the year. We believe the COVID-19 pandemic had an impact on increased submissions in 2020, with a reversion towards the mean appearing in 2023.



- Our goal is to have a 6-9-month backlog between manuscript acceptance and publication. Our backlog for 2023 was ~1 months between manuscript acceptance and publication.
- Our Associate Editors are charged with the responsibility of seeking independent reviewers for submitted manuscripts, monitoring the review process, and making recommendations of acceptance, rejection or revision. The 2023 Associate Editors were: Drs. Amir Azarpazhooh, Anita Aminoshariae, Ashraf Fouad, Gerald Glickman, Jianing He, Sahng Kim, Anil Kishen, Ariadne

Letra, Linda Levin, Frank Setzer and Frank Tay. These are truly gifted endodontists who have made substantial contributions to the Journal over their time of service.

Ken Hargreaves also serves as one of the reviewing editors. The 2023 distribution of new and revised manuscript assignments for this editorial team is presented in Figure 3. Differences in manuscript assignments among the Associate Editors reflect differences in subject matter interest, availability or timing of recruitment.



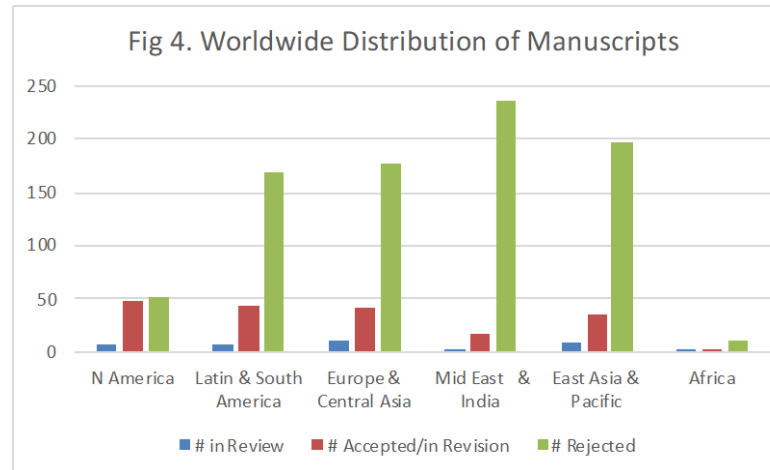
5. The following provides a summary of the performance measures of the web-based review process for 2020:

- a. Of the 1,087 new submissions, the review process took an average of 3.0 days for the editor to assign an Associate Editor, an average of 7.4 days for the associate editor to assign two reviewers, and an additional 27.8 days for the reviews to be completed. Over the last 20 years (= all available data), we have experienced about a 15% increase in the delay from manuscript submission to first decision (**Table 1**). The gradual improvement in turn-around times from 2010-2023 may have been due in part to increased number of Associate Editors.

Year	Time to 1st Decision	% change from 2004
2004	24.2 days	
2005	22	-10%
2006	26	8%
2007	26	7%
2008	28	16%
2009	30	25%
2010	40	64%
2011	36	48%
2012	36	50%
2013	43	77%
2014	39	61%
2015	32	33%
2016	37	53%
2017	38	59%
2018	34	42%
2019	37	53%
2020	33	35%
2021	27	12%
2022	26.2	8%
2023	27.8	15%

- b. We request a 14 day deadline for reviewers to complete their review. Of 1,030 reviews completed in 2023, the average review time was 15.5 days; 665 reviews were completed at an average of 5.7 days earlier than our deadline and 352 reviews were submitted an average of 8.3 days late. Every reviewer is sent a thank you note from the website that reminds them of the opportunity to log on and read the (blinded) email to the author containing the comments of the editor and other reviewer. However, we do note that 466 reviewer invitations were declined; we do not know if this was related possible reviewer burn-out or other issues.

6. The review process resulted in 26% of new and revised manuscripts being accepted, and 74% being declined for publication. Our objective is not to needlessly reject manuscripts, but instead to improve the quality of published manuscripts and to reduce the delay in publication. **Fig 4** illustrates the global impact of the JOE.



7. Elsevier has recently introduced a very important new application for our online manuscript review. It is called “CrossCheck” by iThenticate. CrossCheck compares text in the submitted manuscript to a very large database of previously published papers and calculates a % similarity value. Thus, the Editor runs CrossCheck on every submitted manuscript and then manually reviews the results to identify potential plagiarism issues. This has resulted in about 1-3 manuscript per month being rejected from further consideration by the JOE.
8. The 2023 Scientific Advisory Board consisted of 382 reviewers from >25 countries. The reviewers were selected for their expertise and their distribution across educational programs and include many in private practice. Approximately 70% of the reviewers are in the USA or Canada, and we continue to expand the list of international reviewers. Reviewers have identified their interest in reviewing manuscripts based on selected topics. The Associate Editor uses this list to help identify potential reviewers for each assigned manuscript. The rationale for segregating reviewers by topic is to ensure selection of appropriate reviewers for each particular manuscript. In 2015, Elsevier began sponsoring a reception to honor members of the SAB. We thank Elsevier for their support of initiatives to recognize and thank SAB members and to recognize JOE Paper of the Year Awardees. We note that we are currently manually curating the reviewer list to ensure that reviewers with inactive emails or not responsive are removed from our system.
9. Ms Lindsay Allen of Elsevier serves as our Publisher company. Ms Maria Tortora serves as our Journal Manager. We continue to have very positive interactions with Elsevier. The Editorial Manager website is superb and has had very little downtime. We have had reports from several reviewers about problems logging into the website; Elsevier is still studying this issue. Manuscript production quality and timeliness are in general quite good. There are several identified individuals who are charged with solving various problems and service is good.
10. A sub-committee of the EBC, consisting of Drs. Fouad, Kishen and Tay, conducts the selection process after receiving nominations for the JOE Paper of the Year Award. This initiative was approved by the BOD in May 2014 and the process was instituted that year. The following papers were voted by the EBC to receive the JOE Paper of the Year Award for 2023.

Basic Research: Biology:

C. Zhan, M. Huang, J. Zeng, T. Chen, Y. Lu, J. Chen, X. Li, L. Yin, X. Yang and J. Hou.
Irritation of Dental Sensory Nerves Promotes the Occurrence of Pulp Calcification. *J Endod* 2023;49:402-409.

Basic Research: Technology:

J. Lee, H. Seo, Y. J. Choi, C. Lee, S. Kim, Y. S. Lee, S. Lee and E. Kim. An Endodontic Forecasting Model Based on the Analysis of Preoperative Dental Radiographs: A Pilot Study on an Endodontic Predictive Deep Neural Network. *J Endod* 2023;49:710-719.

Case Reports/Clinical Techniques:

P. Plakwicz, D. Cudzilo, E. M. Czochrowska, K. Gawron, M. Kuc-Michalska and K. T. Kukula.
Pulp Revascularization After Autotransplantation of the Mandibular Canines With Partially Resected Roots: Report of 5 Cases With Follow-ups Between 26 and 80 Months. *J Endod* 2023;49:478-486.

Clinical Research:

L. E. Petty, R. Silva, L. C. de Souza, A. R. Vieira, D. M. Shaw, J. E. Below and A. Letra.
Genome-wide Association Study Identifies Novel Risk Loci for Apical Periodontitis. *J Endod.* 2023 Oct;49(10):1276-1288.

Regenerative Endodontics:

X. L. Wei, L. Luo, M. Z. Chen, J. Zhou, B. Y. Lan, X. M. Ma and W. X. Chen. Temporospatial Expression of Neuropeptide Substance P in Dental Pulp Stem Cells During Odontoblastic Differentiation in Vitro and Reparative Dentinogenesis in Vivo. *J Endod.* 2023 Mar;49(3):276-285.

Systematic and Scoping Reviews:

S. Sadr, H. Mohammad-Rahimi, S. R. Motamedian, S. Zahedrozegar, P. Motie, S. Vinayahalingam, O. Dianat and A. Nosrat. Deep Learning for Detection of Periapical Radiolucent Lesions: A Systematic Review and Meta-analysis of Diagnostic Test Accuracy. *J Endod* 2023;49:248-261 e3.

Narrative Reviews:

K. Lerdrungroj, D. Banomyong, K. Songtrakul, P. Porkaew and S. Nakornchai. Current Management of Dens Evaginatus Teeth Based on Pulpal Diagnosis. *J Endod.* 2023 Oct;49(10):1230-1237.

Honorable Mentions:

Basic Research: Biology:

Almeida-Junior LA, de Carvalho MS, Almeida LKY, Silva-Sousa AC, Sousa-Neto MD, Silva RAB, Silva LAB, Paula-Silva FWG. TNF- α -TNFR1 Signaling Mediates Inflammation and Bone Resorption in Apical Periodontitis. J Endod. 2023 Oct;49(10):1319-1328.e2.

H. Jafarzadeh, S. Moushekhian, N. Ghazi, M. Vahidi, A. Bagherpour, R. Shafieian, S. Moeini, A. Kazemian, A. Azarpazhooh and A. Kishen. Bone Regeneration Effect of Nanochitosan with or without Temporally Controlled Release of Dexamethasone. J Endod 2023;49:496-503.

Basic Research: Technology:

C. Teed, H. Hussein and A. Kishen. Synchronized Microbubble Photodynamic Activation to Disinfect Minimally Prepared Root Canals. J Endod 2023;49:198-204.

Martinho FC, Griffin IL, Price JB, Tordik PA. Augmented Reality and 3-Dimensional Dynamic Navigation System Integration for Osteotomy and Root-end Resection. J Endod. 2023 Oct;49(10):1362-1368.

Case Reports/Clinical Techniques:

S. K. Kwon, M. Kyeong, D. Adasooriya, S. W. Cho and I. Y. Jung. Histologic and Electron Microscopic Characterization of a Human Immature Permanent Premolar with Chronic Apical Abscess 16 Years after Regenerative Endodontic Procedures. J Endod 2023;49:1051-1057.

M. EzEldeen, M. De Piero, L. Xu, R. B. Driesen, J. Wyatt, G. Van Gorp, N. Meschi, B. Van Meerbeek, I. Lambrichts and R. Jacobs. Multimodal Imaging of Dental Pulp Healing Patterns Following Tooth Autotransplantation and Regenerative Endodontic Treatment. J Endod 2023;49:1058-1072.

Clinical Research:

A. Nosrat, M. Valancius, S. Mehrzad, O. Dianat, P. Verma, A. Aminoshariae and A. F. Fouad. Flare-ups After Nonsurgical Retreatments: Incidence, Associated Factors, and Prediction. J Endod. 2023 Oct;49(10):1299-1307.e1.

N. A. Taha, A. M. Abuzaid and Y. S. Khader. A Randomized Controlled Clinical Trial of Pulpotomy versus Root Canal Therapy in Mature Teeth with Irreversible Pulpitis: Outcome, Quality of Life, and Patients' Satisfaction. J Endod 2023;49:624-631 e2.

Regenerative Endodontics:

- B. Bucchi, A. Bucchi and P. Martinez-Rodriguez. Biological Properties of Dental Pulp Stem Cells Isolated from Inflamed and Healthy Pulp and Cultured in an Inflammatory Microenvironment. J Endod. 2023 Apr;49(4):395-401.e6.
- K. Al Hezaimi, I. Rotstein, J. Katz, M. Nevins and M. Nevins. Effect of Selective Serotonin Reuptake Inhibitor (Paroxetine) on Newly Formed Bone Volume: Real-Time In Vivo Micro-computed Tomographic Analysis. J Endod. 2023 Aug 16:S0099-2399(23)00499-5.

Systematic and Scoping Reviews:

- A. Jakovljevic, F. Ideo, J. Jacimovic, A. Aminoshariae, V. Nagendrababu, A. Azarpazhoooh and E. Cotti. The Link Between Apical Periodontitis and Gastrointestinal Diseases-A Systematic Review. J Endod. 2023 Aug 7:S0099-2399(23)00468-5.
- F. Haupt, A. Wiegand and P. Kanzow. Risk Factors for and Clinical Presentations Indicative of Vertical Root Fracture in Endodontically Treated Teeth: A Systematic Review and Meta-analysis. J Endod 2023;49:940-952.

Narrative Reviews:

- H. Yan, G. De Deus, I. M. Kristoffersen, E. Wiig, J. E. Reseland, G. F. Johnsen, E. Silva and H. J. Haugen. Regenerative Endodontics by Cell Homing: A Review of Recent Clinical trials. J Endod 2023;49:4-17.
- J. Zhang, L. Liu, L. Yang, J. Wang, X. Tan and D. Huang. Diagnosis of Odontogenic Maxillary Sinusitis by Cone-beam Computed Tomography: A Critical Review. J Endod. 2023 Sep 1:S0099-2399(23)00536-8. doi: 10.1016/j.joen.2023.08.014

11. We have experienced a consistent amount of advertisements that require revision or rejection due to unsubstantiated claims, to inappropriate reference to other companies, or a lack of professional appearance of the ad. As specified in our Policies and Procedures Manual, all ads must be approved by the Editor prior to publication. In the event of a suitable concern, the Editor forms a sub-committee consisting of EBC members and a past-president of the AAE who evaluate the submitted ad and make a determination. This occurred approximately 12 times in 2023, with most interactions occurring with 1-2 vendors.
12. In July 2019, the EBC started a monthly editorial highlighting selected articles from that issue of the journal. Our intent is to increase readership awareness of certain papers and to provide some insight into their potential impact. We have started an online vote to determine if our readers enjoy this feature. The survey is at the JOE online website (www.JEndodon.com). To date, 88% of the voters (N = 1,143) find the new editorial to be helpful.

13. In 2021, we developed a Digital JOE sub-committee consisting of the Editorial Board Committee Chair Dr. Ken Hargreaves, along with Drs. Anita Aminoshariae, Ariadne Letra, Kevin Kuo, Helen Meyer, Robert Roda and Frank Setzer. We interviewed three consultants and recommended hiring AMC (Association Management Consultants) for development of a digital strategic plan for the Journal. We later added digitally-savvy endodontists Derek Peek, Najia Usman and Carla Falcon to this subcommittee. In 2023, the plan was presented to the EBC as well as to AAE's Board of Directors, and since then, we have begun rolling it out, most notably, we are in the final stages of building a federated search function for aae.org which includes journal content encompassing the past 10 years -- this was a major cornerstone of our digital strategy to begin with, and an item the EBC was passionate about initiating. Other ways we have activated the new JOE digital strategy include incorporating JOE into the AAE's overall social media strategy and exploring opportunities for visual abstracts with Elsevier.
14. We have developed a staggered set of three year terms for Associate Editors that can be renewed. The goal is to provide a solid corps of experienced editors that still provides an opportunity for periodic infusion of new leadership.