

齒科放射線学講座
(Department of Oral Radiology)

教育研究原著論文

1) 印刷公表

1. Eida S*, Fukuda M, Katayama I*, Takagi Y*, Sasaki M*, Mori H*, Kawakami M*, Nishino T*, Ariji Y, Sumi M*. Metastatic lymph node detection on ultrasound images using YOLOv7 in patients with head and neck squamous cell carcinoma. *Cancers (Basel)*. 2024;**16**(2): doi: 10.3390/cancers16020274.
2. Fukuda M, Kise Y^{*2}, Naitoh M^{*2}, Ariji Y, Fujita H^{*3}, Katsumata A^{*4}, Ariji E^{*2}. Deep learning system to predict the three-dimensional contact status between the mandibular third molar and mandibular canal using panoramic radiographs. *Oral Sci Int* 2024;**21**(1):46–53.
3. Fujii T^{*2}, Kuwada C^{*2}, Kise Y^{*2}, Fukuda M, Mori M^{*2}, Nishiyama M^{*2}, Nozawa M, Naitoh M^{*2}, Ariji Y, Ariji E^{*2}. Differences in the panoramic appearance of cleft alveolus patients with or without a cleft palate. *Imaging Sci Dent* 2024;**54**(1):25–31.
4. Kise Y^{*2}, Kuwada C^{*2}, Mori M^{*2}, Fukuda M, Ariji Y, Ariji E^{*2}. Deep learning system for distinguishing between nasopalatine duct cysts and radicular cysts arising in the midline region of the anterior maxilla on panoramic radiographs. *Imaging Sci Dent* 2024;**54**(1):33–41.
5. Yoshida H, Taniguchi R, Nakanishi T, Ishikawa H, Himejima A, Niwa S, Kotaki S, Akiyama H, Ariji Y, Iseki T. Investigation of patients with temporomandibular joint disease treated for the first visit to our department in the two years before and during the COVID-19 pandemic outbreak. *J Osaka Dent Univ*. 2024;**58**(1):371–375.
6. Ariji Y, Araki K^{*5}, Fukuda M, Nozawa M, Kuwada C^{*2}, Kise Y^{*2}, Ariji E^{*2}. Effects of combined use of segmentation technique on deep learning classification performance for cyst-like lesions of the jaws on panoramic radiographs. *Oral Sci Int* 2024;**21**(2):198–206.
7. Yang S^{*6}, Kim KD^{*6}, Kise Y^{*2}, Nozawa M, Mori M^{*2}, Takata N^{*2}, Katsumata A^{*4}, Ariji Y, Park W^{*6}, Ariji E^{*2}. External validation of the effect of the combined use of object detection for the classification of the C-shaped canal configuration of the mandibular second molar in panoramic radiographs: A multicenter study. *J Endod* 2024;**50**(5):627–636.
8. Kotaki S, Watanabe H^{*7}, Sakamoto J^{*7}, Kuribayashi A^{*7}, Araragi M, Akiyama H, Ariji Y. High-resolution magnetic resonance imaging of tooth and periodontal tissues using a microscopy coil. *Imaging Sci Dent* 2024;**54**(3):276–282.
9. Fukuda M, Nozawa M, Akiyama H, Ariji E^{*2}, Ariji Y. Improved soft-tissue visibility on cone-beam computed tomography with an image-generating artificial intelligence model using a cyclic generative adversarial network. *Oral Radiol*. 2024;**40**(4):508–519
10. Iwase Y^{*2}, Sugiki T^{*2}, Kise Y^{*2}, Nishiyama M^{*2}, Nozawa M, Fukuda M, Ariji Y, Ariji E^{*2}. Deep learning classification performance for diagnosing condylar osteoarthritis in patients with dentofacial deformities using panoramic temporomandibular joint projection images. *Oral Radiol*. 2024;**40**(4):538–545.

11. Kaji K, Kotaki S, Maesoma A, Terashima M, Onishi A, Akiyama H, Okusa N, Yamanaka T, Arijii Y, Jin K. Evaluation of phantom-based and human-based practice tests for periapical radiography assistance training in dental hygiene students. *J Osaka Dent Univ* 2024;**58**(2):461-467.
12. Fukuda M, Kotaki S, Nozawa M, Kuwada C^{*2}, Kise Y^{*2}, Arijii E^{*2}, Arijii Y. A cycle generative adversarial network for generating synthetic contrast-enhanced computed tomographic images from non-contrast images in the internal jugular lymph node-bearing area. *Odontology* 2024;**112**(4):1343-1352.
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14. Danjo A^{*8}, Kuwada C^{*2}, Aijima R^{*8}, Kamohara A^{*8}, Fukuda M, Arijii Y, Arijii E^{*2}, Yamashita Y^{*8}. Limitations of panoramic radiographs in predicting mandibular wisdom tooth extraction and the potential of deep learning models to overcome them. *Sci Rep.* 2024;**14**(1): doi: 10.1038/s41598-024-81153-z.

臨床症例報告

1) 印刷公表

1. 吉田 博昭, 小滝 真也, 有地 淑子, 志水 秀郎, 井関 富雄, 大久保 直. 新型コロナウイルスワクチンによる薬剤性肝障害と考えられた1例. *DENTAL DIAMOND* 2024;**49**(1):154-160.
2. 河野 真帆, 姫嶋 皓大, 石川 敬彬, 池田 隼人, 高杉 典史, 小滝 真也, 池田 千浦子, 有地 淑子, 富永 和也, 井関 富雄. 未治療糖尿病患者の抜歯後に顎放線菌症を発症した1例. *日本口腔診断学会雑誌* 2024;**37**(1):12-18.
3. Tsuji K, Imai M, Kotaki S, Nakama H, Ikeda C, Itoda M. A case of occlusal reconstruction with autotransplantation of third molar after surgery of odontogenic keratocyst in the mandible. *Oral Sci Int* 2024;**21**(2):229-236.
4. 丹羽 慎弥, 辻 要, 池田 隼人, 石川 敬彬, 中西 環, 仲間 ひとみ, 小正 聡, 今井 美季子, 栗岡 香美, 小滝 真也. 特発性血小板減少性紫斑病患者にγ-グロブリン大量療法下で自家歯牙移植を行った1例. *有病者歯科医療* 2024;**32**(5):291-296.

総説

1. 木原 卓司^{*9}, 野澤 道仁, 有地 淑子. 顎関節脱臼の徒手整復法—特に前方脱臼の新鮮例に対して—. *歯界展望* 2024;**144**(6):1273-1277.
2. 野澤 道仁. 顎関節症の画像所見、診断に関して—Deep learningを用いた検討—. *日本顎関節学会雑誌* 2024;**36**(1):3-7.

著書

1. 有地 淑子. 共著. 歯科放射線学 歯科衛生士シリーズ. 東京:医歯薬出版 2024:78-83, 87-92.
2. 有地 淑子. 共同編集. 歯科衛生学辞典. 京都:永末書店 2024:1-495.
3. 有地 淑子. 共著. 歯科放射線学. 東京:医歯薬出版 2024:244-318.

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