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

教育研究原著論文

1) 印刷公表

1. Nozawa M, Fukuda M, Kotaki S, Araragi M, Akiyama H, Ariji Y. Can temporomandibular joint osteoarthritis be diagnosed on MRI proton density weighted images with diagnostic support from the latest deep learning classification models? *Dentomaxillofac Radiol* 2025;**54**(**1**):56-63.

2. Nozawa M, Fukuda M, Kotaki S, Tomoda D, Morishita A, Akiyama H, Ariji Y. Evaluation of temporomandibular joint osteoarthritis using a new FRACTURE sequence of 3.0T magnetic resonance imaging. *Dentomaxillofac Radiol* 2025;**54**(**1**):64-69.

3. Ariji Y, Kusano K, Fukuda M, Wakata Y, Nozawa M, Kotaki S, Ariji E[*1], Baba S. Two-step deep learning models for detection and identification of the manufacturers and types of dental implants on panoramic radiographs. *Odontology* 2025;**113**(**2**):788-798.

4. Kise Y[*1], Fukuda M, Shibata T[*1], Funakoshi T[*1], Ariji Y, Ariji E[*1]. Preliminary approach to creation of a prediction model for diagnosis of Sjögren's syndrome using radiomics and machine learning techniques on computed tomography images of the parotid glands. *Imaging Sci Dent* 2025;**55**(**2**):189-196.

5. Zaike T, Kotaki S, Araragi M, Ariji Y, Saito S[*2]. Investigation of imaging conditions for dental MRI using 3T-MRI system with microscopy coil in clinical situation. *Radiol Phys Technol* 2025;**18**(**2**):570-581.

6. Fukuda M, Eida T[*3], Katayama I[*3], Takagi Y[*3], Sasaki M[*3], Sumi M[*3], Ariji Y. A radiomics model combining machine learning and neural networks for high-accuracy prediction of cervical lymph node metastasis on ultrasound of head and neck squamous cell carcinoma. *Oral Surg Oral Med Oral Pathol Oral Radiol* 2025;**139**(**6**):760-769.

7. Hori A[*4], Shimbo T[*4], Ikenaga J[*4], Itami T[*4], Mukai M[*4], Kobata K[*4], Ogawa T[*4], Kihara A[*4], Nakata M[*4], Yoshino Y[*4], Takeno S[*4], Nawa K[*4], Yoshioka H[*4], Nihei K[*4], Akiyama H, Yoshida K[*5], Kimura K[*4], Iwamoto M[*4]. Non-surgical breast-conserving treatment using Kochi oxydol-radiation therapy for unresectable carcinomas II for patients with stage 0 to IIIC breast cancer. *Oncol Lett* 2025;**30**(**6**):doi: 10.3892/ol.2025.15314.

臨床症例報告

1) 印刷公表

1. Yoshida K[*5], Tanaka Y[*5], Nakamura S[*5], Yoshida A[*5], Yui M[*5], Hirota K[*5], Mabou K[*5], Wang Z[*5], Takegawa H[*5], Anetai Y[*5], Koike Y[*5], Shiga T[*5], Akiyama H, Murakami N[*6] Asako A[*5], Ogino Y[*5], Nishimoto H[*5], Fujisawa T[*5], Yagi M[*5], Iwai H[*5], Tanigawa N[*5]. Combined external radiotherapy and single-fraction palliative high-dose-rate interstitial brachytherapy for a patient with a base of tongue cancer who had a previous radiation history. *Oral Radiology* 2025;**41**(**1**):144-150.

2. Nakai M[*7], Yoshida K[*5], Kotsuma T[*8], Takaoka Y[*9], Akiyama H, Ozawa K[*7], Tanaka E[*7]. High-dose-rate surface mold with tumor translucency brachytherapy for a 103-year-old patient with skin cancer, dementia, tremor, and kyphosis: a case report. *Nagoya J Med Sci* 2025;**87**(**2**):360-367.

3. Cui J, Ikeda C, Kotaki S, Suzuki K, Hisano Y, Yoshikane T, Okamura T, Yoshida H, Ariji Y, Kubo H, Tominaga K. Two cases of ameloblastic carcinoma arising in the mandible. *J Osaka Dent Univ* 2025;**59**(**2**):289-294.

総説

1. Akiyama H, Yoshida K[*5], Kotsuma T[*8], Takenaka T[*10], Takaoka Y[*9], Nakai M[*7], Kano M[*7], Yoshimoto H[*7], Ozawa K[*7], Takácsi-Nagy Z[*11], Masui K[*10], Yamazaki H[*10], Ariji Y, Tanaka E[*7]. Image-guided high-dose-rate interstitial brachytherapy with custom surface applicators for lower lip cancer as monotherapy: technique description, long-term clinical results and quantitative dose-volume evaluation - A case series. *J Contemp Brachytherapy* 2025;**17**(**1**):62-69.

2. 有地　淑子. MRIの新しい技術「骨イメージング」を用いた顎関節の骨評価. 歯界月報 2025;(**884**):54-57.

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