

[1] Cantu AG, Gehrung S, Krois J, Chaurasia A, Rossi JG, Gaudin R, Elhennawy K, Schwendicke F: Detecting caries lesions of different radiographic extension on bitewings using deep learning, *Journal of Dentistry* 100 (2020) 103425

Hood L: Lessons learned as president of the Institute for Systems Biology (2000–2018). *Genomics Proteomics & Bioinformatics* 16 (2018).

Hood L, Flores M: A personal view on systems medicine and the emergence of proactive P4 medicine: predictive, preventive, personalized and participatory. *N Biotechnol* 29, 613–624 (2012).

Carter C, Sant N, Annigeri R, Puttashamachar N, Stanley K: Can a Computer Identify Carious Lesions in Dental X-Rays As Accurately As Humans? An exploratory study comparing diagnostic assessments performed by humans and a specialized computer vision system. Second-opinion study, Pearl Inc., hellopearl.com/insights

[2] Ekert T, Krois J, Meinhold L, Elhennawy K, Emara R, Golla T, Schwendicke F: Deep learning for the radiographic detection of apical lesions. *J Endod* (2019).

Krois J, Ekert T, Meinhold L, Golla T, Kharbot B, Wittemeier A, Dorfer C, Schwendicke F: Deep learning for the radiographic detection of periodontal bone loss. *Sci Rep* 9, 8495 (2019).

Krois J, Gehrung S, Garcia-Cantu A, Golla T, Dreher M, Schwendicke F: Instance segmentation of tooth restorations on dental panoramic radiographs using convolutional neural networks. IADR General Session (2019).

Lee JH, Kim DH, Jeong SN, Choi SH: Detection and diagnosis of dental caries using a deep learning-based convolutional neural network algorithm. *J Dent* 77, 106–111 (2018a).

Lee JH, Kim DH, Jeong SN, Choi SH: Diagnosis and prediction of periodontally compromised teeth using a deep learning-based convolutional neural network algorithm. *J Periodontal Implant Sci* 48, 114–123 (2018b).

[3] Krois J, Ekert T, Meinhold L, Golla T, Kharbot B, Wittemeier A, Dorfer C, Schwendicke F: Deep learning for the radiographic detection of periodontal bone loss. *Sci Rep* 9, 8495 (2019).

Krois J, Gehrung S, Garcia-Cantu A, Golla T, Dreher M, Schwendicke F: Instance segmentation of tooth restorations on dental panoramic radiographs using convolutional neural networks. IADR General Session (2019).

[4] KI gegen Karies, https://www.charite.de/klinikum/themen_klinikum/ki_gegen_karies/