Bibliographie

[1] Grzybowski A, Brona P, Lim G, et al. Artificial intelligence for diabetic retinopathy screening: a review. Eye (Lond) 2019 Sep 5.

[2] Ting DSW, Pasquale LR, Peng L, et al. Artificial intelligence and deep learning in ophthalmology. Br J Ophthalmol 2019;103:167–75.

[3] Ting DSW, Peng L, Varadarajan VA, et al. Deep learning in ophthalmology: the technical and clinical considerations. Prog Retin Eye Res 2019;72:100759.

[4] Ting DSW, Cheung CY, Lim G, et al. Development and validation of a deep learning system for diabetic retinopathy and related eye diseases using retinal images from multiethnic populations with diabetes. JAMA 2017;318:2211–23.

[5] Gulshan V, Rajan RP, Widner K, et al. Performance of a deep-learning algorithm vs manual grading for detecting diabetic retinopathy in India. JAMA Ophthalmol 2019 Jun 13.

[6] Abràmoff MD, Lavin PT, Birch M, et al. Pivotal trial of an autonomous AI-based diagnostic system for detection of diabetic retinopathy in primary care offices. NPJ Digit Med 2018;1:39.

[7] Schmidt-Erfurth U, Sadeghipour A, Gerendas BS, et al. Artificial intelligence in retina. Prog Retin Eye Res 2018;67:1–29.

[8] Devalla SK, Liang Z, Pham TH, et al. Glaucoma management in the era of artificial intelligence. Br J Ophthalmol 2019 Oct 22.

[9] Biousse V, Bruce BB, Newman NJ. Ophthalmoscopy in the 21st century: The 2017 H. Houston Merritt Lecture. Neurology 2018;90:167–75.

[10] Bruce BB, Biousse V, Newman NJ. Nonmydriatic ocular fundus photography in neurologic emergencies. JAMA Neurol 2015;72:455–9.

[11] Bruce BB, Lamirel C, Wright DW, et al. Nonmydriatic ocular fundus photography in the emergency department. N Engl J Med 2011;364:387–9.

[12] Bursztyn L, Woodward MA, Cornblath WT, et al. Accuracy and reliability of a handheld, nonmydriatic fundus camera for the remote detection of optic disc edema. Telemed. J E Health 2018;24:344–50.

[13] Zafar S, Cardenas YM, Leishangthem L, Yaddanapudi S. Opinion and special articles: amateur fundus photography with various new devices: our experience as neurology residents. Neurology 2018;90:897–901.

[14] LeCun Y, Bengio Y, Hinton G. Deep learning. Nature 2015;521:436–44.

[15] Li Z, He Y, Keel S, et al. Efficacy of a deep learning system for detecting glaucomatous optic neuropathy based on color fundus photographs. Ophthalmology 2018;125:1199–206.

[16] Cheng J, liu J, Wong DW, et al. Automatic optic disc segmentation with peripapillary atrophy elimination. Conf Proc IEEE Eng Med Biol Soc 2011;2011:6224–7.

[17] Medeiros FA, Jammal AA, Thompson AC. From machine to machine: an OCT-trained deep learning algorithm for objective quantification of glaucomatous damage in fundus photographs. Ophthalmology 2019;126:513–21.

[18] Liu H, Li L, Wormstone IM, et al. Development and validation of a deep learning system to detect glaucomatous optic neuropathy using fundus photographs. JAMA Ophthalmol 2019 Sep 12.

[19] Thompson AC, Jammal AA, Medeiros FA. A deep learning algorithm to quantify neuroretinal rim loss from optic disc photographs. Am J Ophthalmol 2019;201:9–18.

[20] Phene S, Dunn RC, Hammel N, et al. Deep learning and glaucoma specialists: the relative importance of optic disc features to predict glaucoma referral in fundus photographs. Ophthalmology 2019 Sep 24.

[21] Echegaray S, Zamora G, Hu H, et al. Automated analysis of optic nerve images for detection and staging of papilledema. Invest Ophthalmol Vis Sci 2011;52:7470–8.

[22] Akbar S, Akram MU, Sharif M, et al. Decision support system for detection of papilledema through fundus retinal images. J Med Syst 2017;41:66.

[23] Fatima KN, Hassan T, Akram MU, et al. Fully automated diagnosis of papilledema through robust extraction of vascular patterns and ocular pathology from fundus photographs. Biomed Opt Express 2017;8:1005–24.

[24] Liu TYA, Ting DSW, Yi PH, et al. Deep learning and transfer learning for optic disc laterality detection: implications for machine learning in neuro-ophthalmology. J Neuro-Ophthalmol 2019 Aug 22.

[25] Pérez Del Palomar A, Cegonino J, Montolio A, et al. Swept source optical coherence tomography to early detect multiple sclerosis disease. The use of machine learning techniques. PloS One 2019;14:e0216410.

[26] Keane PA, Topol EJ. With an eye to AI and autonomous diagnosis. NPJ Digit Med 2018;1:40.

[27] Emanuel EJ, Wachter RM. Artificial intelligence in health care: will the value match the hype? JAMA 2019;321:2281–2.