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[Open Access](#)**Benchmarked pterygium images for human and machine graders** (Article)Che Azemin, M.Z.^a, Gaffur, N.A.^a, Hilmi, M.R.^a, Mohd Tamrin, M.I.^b, Kamal, K.M.^c^a Kulliyah of Allied Health Sciences, Pahang, Malaysia^b Kulliyah of ICT, Selangor, Malaysia^c Kulliyah of Medicine, International Islamic University Malaysia, Kuantan, Malaysia[View additional affiliations](#)[View references \(10\)](#)

Abstract

In the absence of ground truth, scores from many **graders** are required to obtain good representation of a clinical grading. The internet enables quick feedback from the experts at the comfort of their home or office. In this study, we demonstrated the use of online form as a tool to get quick feedback from clinicians on clinical grading of **pterygium images** with various severities. The scores were analyzed using quartile analysis and the median was used to construct the benchmark scores for the **images**. This dataset was tested on assessing **human** grader and was later fitted with neural network to measure the performance of the **machine** learning algorithm. © Medwell Journals, 2016.

Author keywords

Benchmarked dataset ground truth; **Machine** learning; Malaysia; Quick feedback

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