Electrocardiography for ocular diseases

Analyzing and modeling cardiology practitioners" visual behavior across different levels of expertise in the health care sector is crucial. Namely, understanding such acquirable visual skills may help train ...

In our research, we present an avant-garde methodology that synergistically integrates ECG readings and retinal fundus images to facilitate the early disease tagging as well as triaging of the CVDs in the ...

Interpretation of electrocardiograms (ECGs) is a complex task involving visual inspection. This paper aims to improve understanding of how practitioners perceive ECGs, and determine whether visual ...

The electrocardiogram, commonly referred to as the EKG or ECG, is a graphical representation of the electrical activity generated by heart cells that is detectable on the body surface.

We aimed to generate a new option to analyse information regarding the propagation of cardiac pulsations towards the eye by linking the information of the ECG to the time-resolved OCT.

The ERG is similar to an electrocardiogram in that it shows the electrical health of the retina, similar to the ECG reflecting the health of the heart muscles. The eye does not beat, so the retina must be ...

Objective: This study aims to quantify and analyze through the use of eye-tracking technology differences in the visual behavior and methodological practices for different expertise ...

Rarer diseases, such as Fabry disease, would be accompanied by ocular signs such as cornea verticillata and such cardiac manifestations include cardiac hypertrophy as well as arrhythmias.

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This review examines the interplay between the eye and the cardiovascular system and emphasises the use of conventional and emerging tools to improve diagnosis, management and prognostication of ...

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