

UMLS:C0035334 (Retinitis Pigmentosa)

7,631 document(s) hit in 21,030,264 MEDLINE articles (0.00 seconds)

Electrotherapeutic device/protocol design considerations for visual disease applications.

One of the more interesting applications of electrotherapy involves its use in the treatment of visual disease; including retinitis pigmentosa, diabetic retinopathy and macular degeneration. ... In FDA guided and FDA supervised clinical studies (FDA pre-IDE numbers 1980275 and 1000038 and FDA IDE number G020106) involving electrotherapeutic intervention for dry macular degeneration, 61% of a 400 patient cohort treated with electrotherapy achieved visual acuity improvements of two lines or more on the Snellen chart. ... With further improvements in the design of electrotherapeutic device waveforms, frequency selection, treatment protocols and electrode probe configurations; long-term visual acuity improvements of two lines or better on the Snellen chart can be anticipated for more than 60% of the patients who are in the early stages of retinitis pigmentosa, diabetic retinopathy and dry macular degeneration. ... MeSH: Macular Degeneration/therapy. MeSH: Retinitis Pigmentosa/therapy. ...

PMID:19964582 Conf Proc IEEE Eng Med Biol Soc 2009