

Dry eye syndrome (DES) – succinylated collagen punctal plugs (SCPP) in the treatment of DES

Hadassah Janumala

Central Leather Research Institute, India

and their efficacy in the temporary treatment of DES and various ocular surface disorders (OSD). SCPP is a biocompatible, biodegradable, cost effective punctal plug. The present study in human eyes confirms the biocompatibility, efficacy and safety of SCPP and shows a promising alternative for temporary punctal occlusion in DES and other ocular surface disorders.

Dry Eye Syndrome (*keratoconjunctivitis sicca*) is a disorder of tear film due to tear deficiency or excessive evaporation that causes damage to the ocular surface. The balance of tear production and tears loss through drainage and evaporation maintains the moisture level in the eye. When this balance is not sustained, dry spots appear on the surface of the eye and cause irritation, redness, blurring of vision, discomfort, pain etc. Punctal occlusion is considered advantageous who still suffer with dry eyes and who cannot instill eye drops frequently. Punctal occlusion helps patients retain natural and artificial tears on the ocular surface. Blocking the lacrimal punctum impedes the outflow of tears, thereby increasing the aqueous tear component and retains natural tears on the ocular surface.

This presentation will expose the potential of Succinylated Collagen Punctal Plugs (SCPP)

Biography

Dr. Hadassah Janumala completed her postgraduate studies In India and secured university FIRST rank and was awarded GOLD MEDAL. She then completed her PhD in Biochemistry, with CSIR fellowship in INDIA. She was also awarded CSIR- RA (Research Associate fellowship) to pursue her postdoctoral studies. She has 2 International Patents (PCT) filed in 7 countries to her credit, along with a good number of publications in ophthalmic journals. She is also writing a chapter in a book, reviewed many papers and also delivered guest lectures in many schools in INDIA.