

Investigating immune cell trafficking on the ocular surface and its correlation to disease stage and treatment outcomes

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PROPOSITIONS

1. The immune cell milieu of the ocular surface plays a key role in normal homeostasis and ocular surface diseases. (Thesis)
2. There is a constant interplay between the immune cells, molecular factors, structural cells and nerves of the eye. (Thesis)
3. Dry eye disease is a multifactorial disease with a varying spectrum of presentations, associated inflammation, altered ocular surface homeostasis and multiple predisposing factors which need to be treated as a whole. (Thesis)
4. Stevens Johnson syndrome is a chronic debilitating immune mediated disease which leaves behind potentially blinding sequelae on the ocular surface. (Thesis)
5. Limbal stem cell deficiency can be caused by a number of etiologies and limbal stem cell transplantation can treat these conditions
6. Deep anterior lamellar keratoplasties in advanced keratoconus has very good visual and longterm outcomes but needs close monitoring of the ocular surface immunology including associated allergy
7. Ocular allergy in severe grades can lead to blindness and needs to be tackled with a multipronged approach of topical steroids, topical nonsteroidal immunomodulation and systemic allergy management
8. Targeted and customised therapy is the future
9. We have no planet B - reuse, reduce, recycle
10. The sun is always shining, we just need to look beyond the clouds sometimes
11. “A mentor is someone who sees more talent and ability within you, than you see in yourself, and helps bring it out of you “- Bob Proctor