Nominees 10 most significant publications

Major Textbooks

1. Ali MJ. ‘Principles and Practice of Lacrimal Surgery’, 2nd Edition, 500 pages, 2018, Springer, Germany.

2. Ali MJ. ‘Atlas of Lacrimal Drainage Disorders’, 1st Edition, 800 pages, 2017, Springer, Germany. (2nd edition coming out in December 2023, 1700 pages)

Major Papers

3. Ali MJ. Etiopathogenesis of primary acquired nasolacrimal duct obstruction (PANDO). Progress Retin Eye Res. 2023;97:101193 (IF – 19.7).

Importance: This is an authoritative work for any researcher to assess. It is a work that was invited and built upon nearly 200 major global research works till date on this area, 48 of which were from the applicant’s desk.

4. Ali MJ, Zetzsche M, Scholz M, Hahn D, Gaffling S, Heichel J, Hammer CM, Brauer L, Paulsen F. New insights into the lacrimal pump. Ocul Surf 2020;S1542-0123(20)30120-8 (Epub).

Importance: – This is the first paper to place totally new anatomical, biochemical and physiological properties of Horner’s-Duverney muscle. The name of this muscle was also proposed by the authors (Ali MJ and Paulsen F) in their earlier publication.

5. Ali MJ. Nasolacrimal duct coronary stent recanalization (NCR): First cadaveric experience and its potential as an alternative to DCR. Ophthalmic Plast Reconstr Surg. 2023 [Epub].

Importance: This is a paper that was published this year and described a new surgical technique of using coronary stents and deploying them for the first time in human tear ducts. This is currently undergoing large clinical trials and has a potential to replace a more invasive and common surgery, DCR.

6. Ali MJ. Idiopathic canalicular inflammatory disease: New disease description of clinical patterns, investigations, management, and outcomes. Ophthalmic Plast Reconstr Surg. 2018;34(6):528-532.

Importance: – This paper described a new disease entity, its classification, staging and management options with their outcomes. Subsequent updates on this new disorder reflects widespread acceptance of this condition in medical communities across the globe.

7. Ali MJ, Kumar NS, Brauer L, Paulsen F, Shicht M. Expression of surfactant proteins in the human canaliculus: evidence and potential insights into tear flow dynamics. Ophthalmic Plast Reconstr Surg 2018;34:594-597.

Importance: – First ever paper to discover Lung surfactant proteins in the human tear ducts and its role in tear flow from the eyes to the nasal cavity.

8. Ali MJ, Glockner M, Shicht M, Brauer L, Paulsen F. Detection of intrinsic cholinergic system in the human lacrimal drainage system: evidence and potential implications. Graefes Arch Clin Exp Ophthalmol 2018;256:2097-2102.

Importance: - This is the first paper to describe the presence and roles of cholinergic system in the tear ducts. This work subsequently led to many theories linking this system to common diseases of the tear ducts.

9. Ali MJ, Schicht M, Paulsen F. Qualitative hormonal profiling of the lacrimal drainage system: potential insights into the etiopathogenesis of primary acquired nasolacrimal duct obstruction. Ophthal Plast Reconstr Surg 2017;33(5):381-388.

Importance: - This is the first paper to investigate a wide-array of hormonal profile of the tear ducts and linking them to a common disorder called primary acquired nasolacrimal duct obstruction. This paper also revealed why female gender suffers more as compared to males.

10. Ali MJ, Mishra DK, Baig F, Lakshman M, Naik MN. Punctal stenosis: Histopathology, Immunology and Electron microscopic features- A step toward unraveling the mysterious etiopathogenesis. *Ophthal Plast Reconstr Surg* 2015;31(2):98-102.

Importance: - This paper for the first time put forth etiopathogenesis of stenosis of the tear duct openings. This paper was recognized by American Academy of Ophthalmology - ASOPRS 2015's (Las Vegas) as the most path breaking work of the year.