

Ocular Surface Disease Not Too Scared to Operate

Dina Baddar
MD FRCS

RIO International Meeting
Cairo, January 2019



Operate?



Mucous Membrane Pemphigoid

1. Lethal
2. Conjunctiva is second most commonly affected



Subepithelial blistering

Ocular Cicatricial Pemphigoid

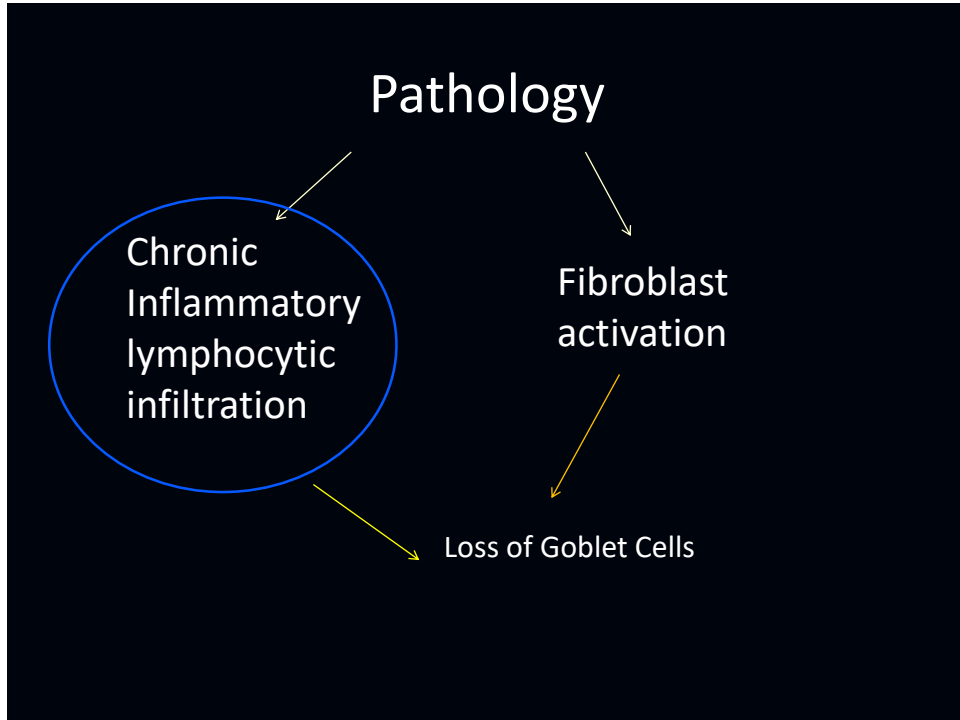
- 50- 80 years
- Asymmetrical
- Relapsing or chronic
- Progressive
- Uncommon
- Need for biopsy?



OD



OS



Classification and Treatment

Systems	Characteristics
Foster stages³	
I	Subconjunctival scarring and fibrosis
II	Fornix foreshortening of any degree
III	Presence of symblepharon, and degree
IV	Ankyloblepharon, frozen globe
Mondino and Brown stages¹¹	
I	0-25% loss of inferior fornix depth
II	25-50% loss of inferior fornix depth
III	50-75% loss of inferior fornix depth
IV	75-100% loss of inferior fornix depth



MMF: Mycophenolate Mofetil
 MTX: Methotrexate
 Sulfa: sulfasalazine
 AZA: Azathioprine
 RTX: Rituximab
 IVIg: Intravenous immunoglobulins

Normal inferior fornix depth 11 mm

Foster CS. Cicatricial pemphigoid. Trans Am Ophthalmol Soc 1986;84: 527-663

Treatment

- Ocular involvement is “high risk”
 → indication for systemic immunosuppression

- Goals:
 1. Induction of a quiet white eye
 2. Without progression of cicatrization



Proposed Regimen

- Start with a well-tolerated drug
 - MTX 10-15 mg/week
 - MMF 1g twice/day
- 33% of patients → low-grade inflammation
- If inadequate add
 - Prednisone
 - +/- Dapsone 45-55%
 - Or Cyclophosphamide 69-91%
- Anti- TNF agents → Antifibroblastic action



Surgery in OCP Yes or No

Study group	Number of eyes	Type of surgery and number	Mean follow-up (months)	Visual improvement
Sainz de la Maza et al. [27]	26	ECCE, 26	22	3.5 Snellen lines (average)
Gawling and Dart [29]	15	Phaco, 10 ECCE, 4 ICCE, 1	41.3	More than 2 lines improvement in 14 eyes
Fuzank et al. [30]	9	Phaco, 4 ECCE, 5	52.9	More than 2 lines improvement in six eyes

Sangwan et al. Cataract surgery in ocular surface diseases: clinical challenges and outcomes. Curr Opin Ophthalmol. 2018 Jan

Surgery in OCP When

Instituting immunosuppressive therapy



Monitor quiescence 3-6 m

Keep post op systemic therapy

Surgery can activate the disease (15%)

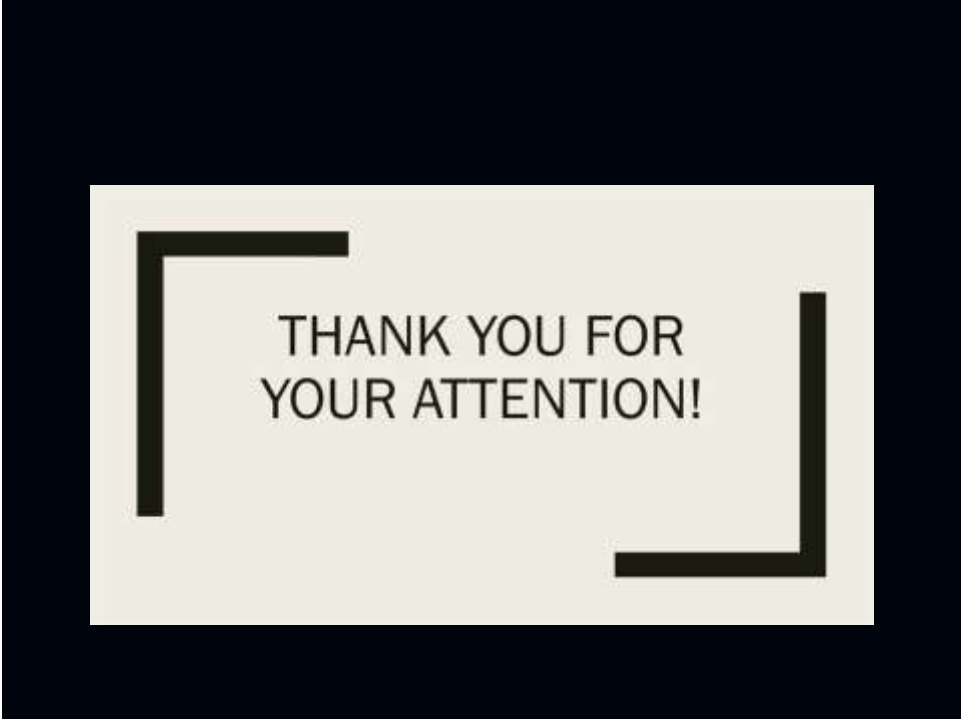


Surgery in OCP Prognosis

Study group	Number of eyes	Type of surgery and number	Mean follow-up (months)	Visual improvement
Sainz de la Maza et al. [27]	26	ECCE, 26	22	3.5 Snellen lines (average)
Geerling and Don [19]	15	Phaco, 10 ECCE, 4 ICCE, 1	41.3	More than 2 lines improvement in 14 eyes
Furank et al. [30]	9	Phaco, 4 ECCE, 5	52.9	More than 2 lines improvement in six eyes

Surgery in OCP

- Cataract surgery in ocular surface diseases is **challenging**
- Performing cataract surgery in **active disease** can worsen prognosis
- **Stabilization** of the ocular surface followed by a tailored surgical approach
- Well planned surgeries result in **significant improvement** in visual acuity



THANK YOU FOR
YOUR ATTENTION!