

Outcomes of ILUVIEN (fluocinolone acetonide intravitreal implant 0.19mg) for Non-Infectious Uveitis (NIU): A Retrospective Case-Series

Aprajita Sinha, Navnoor Singh, Devika Nair, Salman Mirza



Introduction/Aim

- NIU remains a challenge to treat
- Delivery of the therapeutic drug dose to the posterior segment essential
- 2019 NICE guidelines recommend the use of a fluocinolone implant for NIU
- Aim – to assess outcomes and complications of ILUVIEN at 12 months

Methods

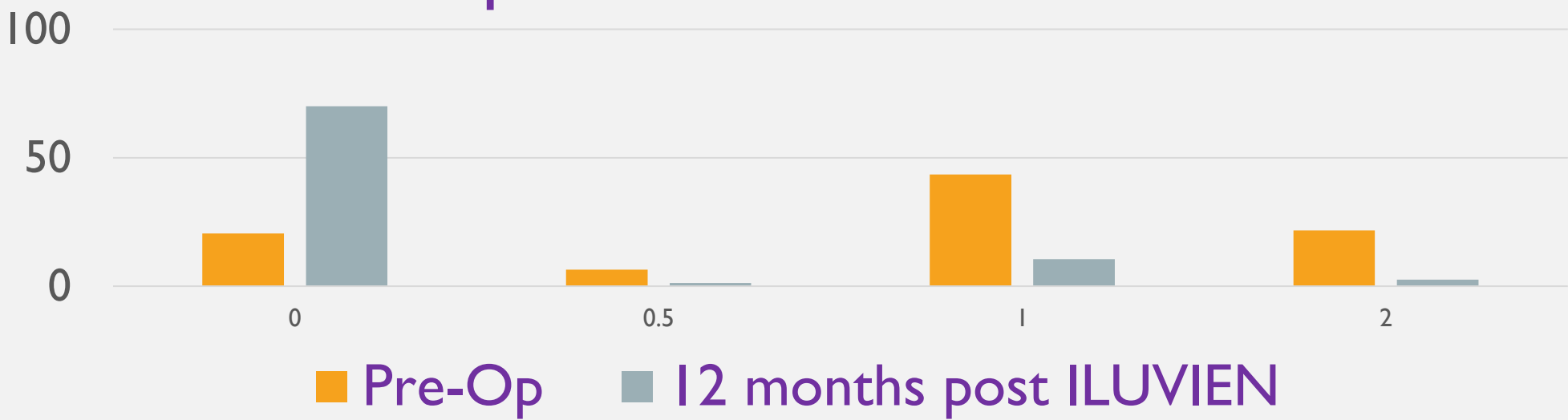
- Patient records from 2020-2022 analysed
- Data from pre-injection and 12-months post injection collected including:
 - Best corrected visual logMar acuity
 - Central retinal thickness
 - Severity of vitreous inflammation (NIH classification for vitreous haze)
 - Complications
- Final outcomes classified as:
 - Success: quiescent or controlled
 - Qualified success: limited control or reduced treatment
 - Failure: Severe complication/worsening inflammation

Results

- A total of 78 eyes in 63 patients included
- Mean age 54.9 years (22-86 years)
- 12-month follow-up data (at least one metric) available on 69/78 eyes
- Macular edema reduced from 30% at baseline to 8.9% at 12-month follow-up
- 87% (60/69) eyes qualified as success or qualified success

Parameter (mean)	Baseline (n)	12-month post ILUVIEN (n)	p (2-tailed t-test)
BCVA (LogMar)	0.297 (75)	0.240 (63)	0.24
CRT (microns)	404.83 (30)	336.71 (28)	0.02

Percentage of patients with grades of vitreous inflammation -baseline and post-ILUVIEN



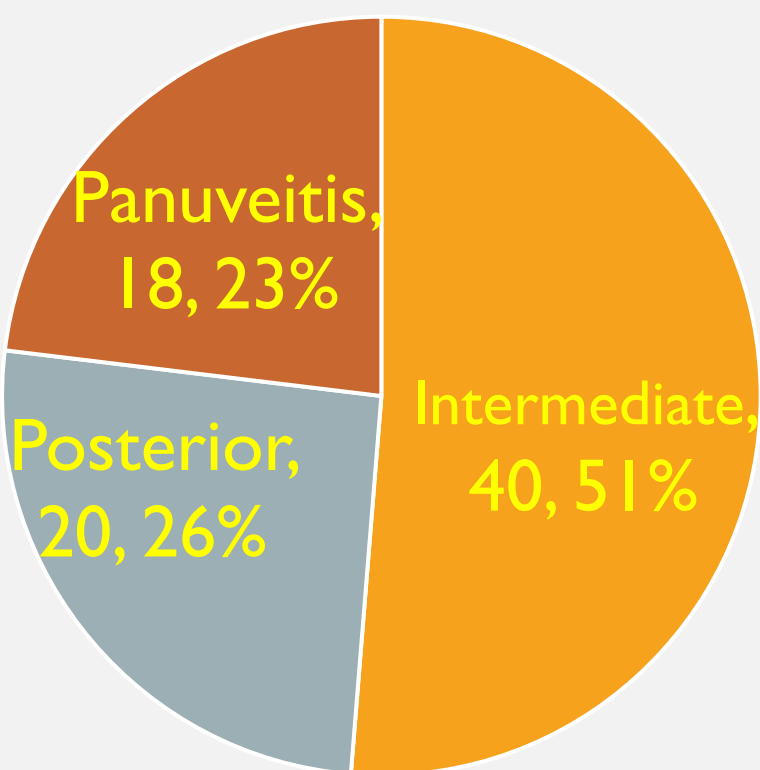
Complications

- 9/69 eyes classified as failures (13%)
- 10 eyes (14.4%) developed cataract with 4 requiring surgery
- 7 eyes (10.1%) required IOP lowering procedures
- 22 eyes (31.8%) remained on anti-glaucoma medications

Conclusions

- ILUVIEN is an effective treatment for NIU
- Stable or improved inflammation in majority of patients
- Results in significant reduction in CRT(p 0.02)
- Improved visual acuity
- Adverse effects of ocular hypertension and cataract

Types of NIU



Intermediate Posterior Panuveitis

Underlying Cause of NIU	n (total = 78)
Birdshot chorioretinopathy	6
HLA B27 related uveitis	2
Idiopathic	48
Multiple sclerosis	1
Psoriasis	2
Sarcoidosis	18
Sympathetic ophthalmitis	1