

# Use of Subcutaneous Repository Corticotropin Injection/RCI in Patients with Moderate to Severe Dry Eye



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# Disclosures

- Bausch- speak, consult, research
- Mallinckrodt – speak, consult, research
- Sun – consult, research, speak
- Zeiss – research, consult
- Greenlight – research,
- Kala – research
- Lumenis – spouse, consultant, speak, research
- DigiSight – research
- RVL – consult, research

# Purpose

- **Purpose:** To investigate the clinical safety and efficacy of subcutaneous Repository Corticotropin Injection as adjunctive treatment in subjects with moderate to severe dry eye disease unresponsive or incompletely treated with traditional medications.

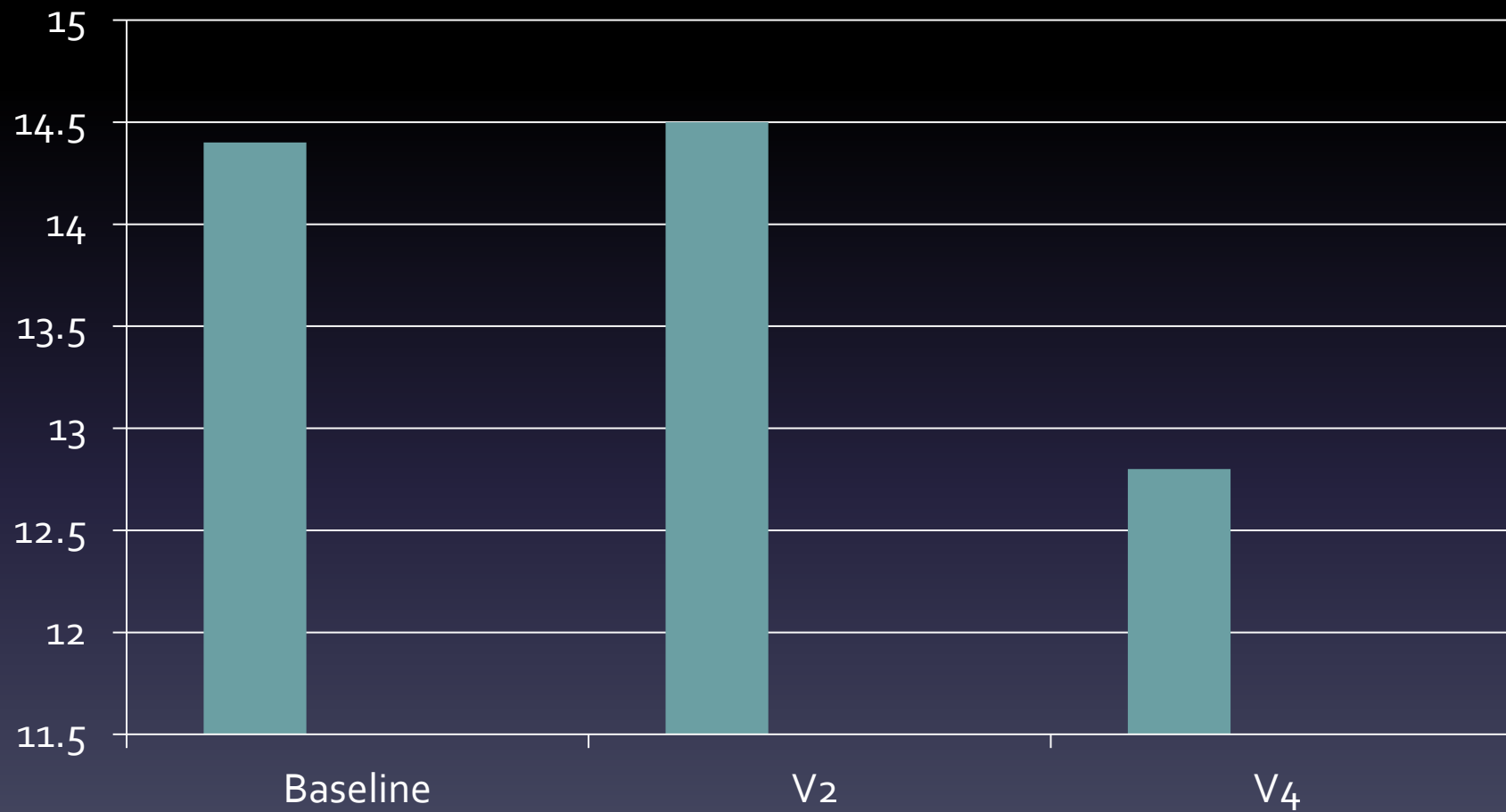
# Methods

- 12 subjects with moderate to severe dry eye uncontrolled on stable doses of standard dry eye treatments received 80 units of Repository Corticotropin Injection SC for 12 weeks. Subjective ocular discomfort ratings, erythema, BCVA, K and conj staining and IOP were collected.

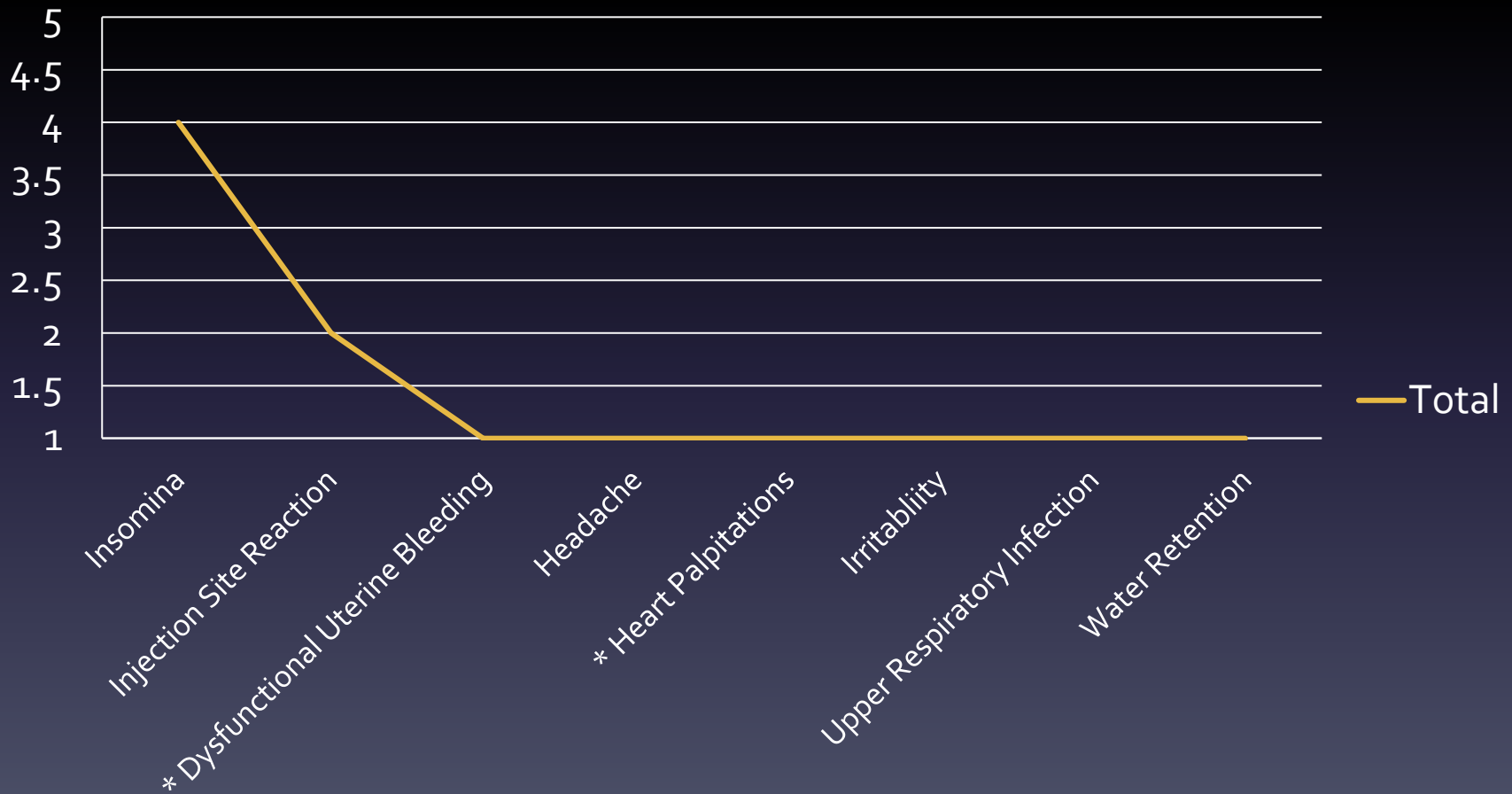
# Results

- SANDE scores declined from 69 at baseline to 44 at final.
- K fluorescein stain and Schirmers improved  $p < 0.08$ .
- Erythema reduction  $p > 0.001$
- Lissamine staining and IOP (avg -2 mm Hg) showed downward trend not statistically significant.
- Time to response was 14 days for SANDE and 7 days for k and conj staining.
- BCVA stable.
- No ocular adverse events, 2 SAEs 1 possible related, one not related.

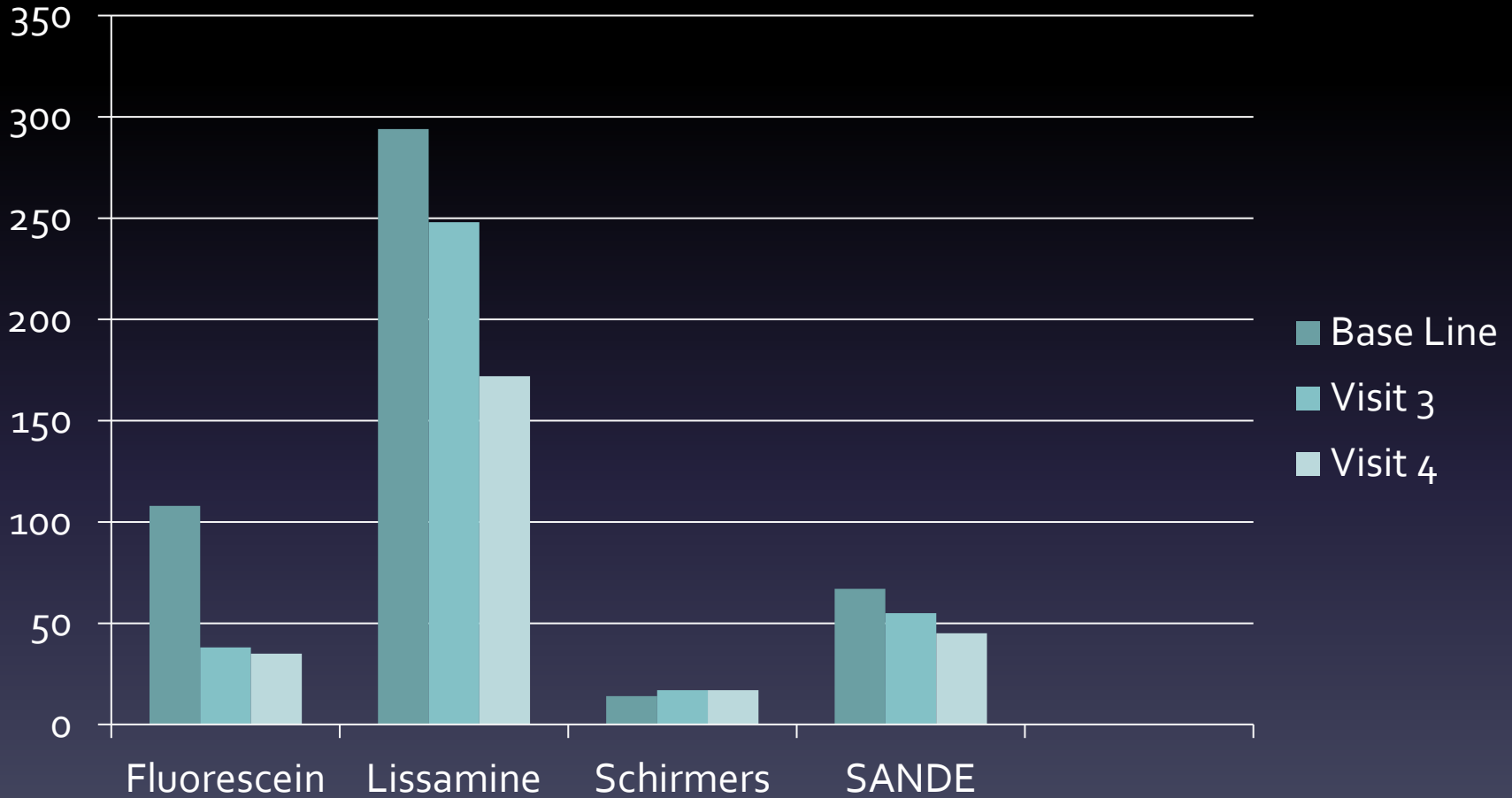
# Mean IOP Change



# Serious\* and Non-Serious Adverse Events



# RCI Study





# Conclusion

- **Conclusion:** This small scale pilot study suggests that repository corticotropin injection can be effective and safe with good tolerability and no increase in intraocular pressure.

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