Ersa Phase 2a Study Evaluating TP-03 for the Treatment of MGD in Patients with *Demodex* Mites Topline Data Presentation

December 2023

Tarsus

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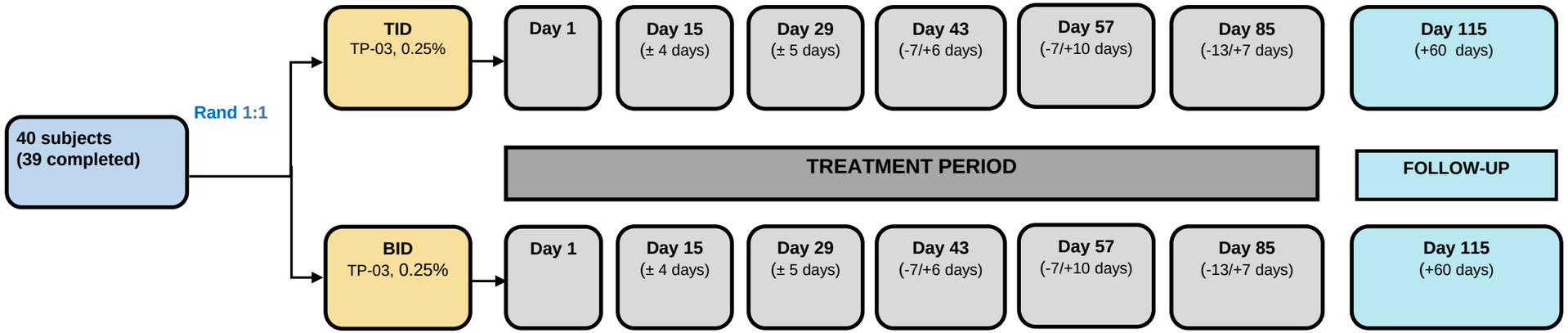
Ersa Phase 2a Study Evaluating TP-03 for the Treatment of Meibomian Gland Disease in Patients with *Demodex* Mites

- **TP-03 (lotilaner ophthalmic solution 0.25%) demonstrated statistically significant improvements compared to baseline in objective measures of meibomian gland function at 6 and 12 weeks**
  - Meibomian gland secretion score (MGSS) at Day 43 (6 weeks) and Day 85 (12 weeks) demonstrated a statistically significant and clinically meaningful improvement over baseline
  - Number of glands secreting clear meibum demonstrated statistically significant and clinically meaningful improvement from baseline to Day 43 and 85
  - There were no significant differences between BID and TID across all measures
- **Collarette cure and lid margin erythema cure demonstrated statistically significant improvement consistent with prior TP-03 studies**
- **TP-03 was generally well-tolerated**
- **FDA discussion planned for 2024**

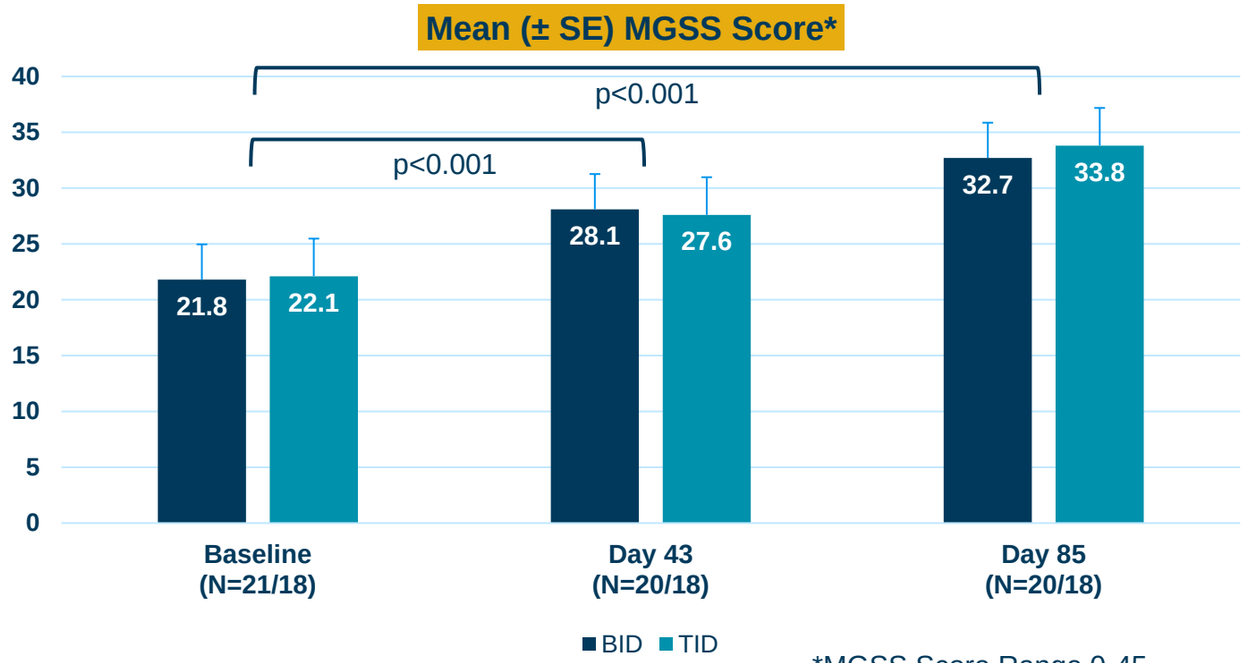
Ersa Phase 2a Study Overview

- Randomized, Double-Masked, Pilot Study Comparing the Safety and Efficacy of Two Dosing Regimens (BID vs TID) of TP-03 for the Treatment of MGD in Patients with *Demodex* mites
- 39 patients randomized to BID/TID arms
- Endpoints collected included safety assessments, meibomian gland function, DB endpoints and patient-reported symptoms



TP-03 Treatment Significantly Improves Meibomian Gland Function

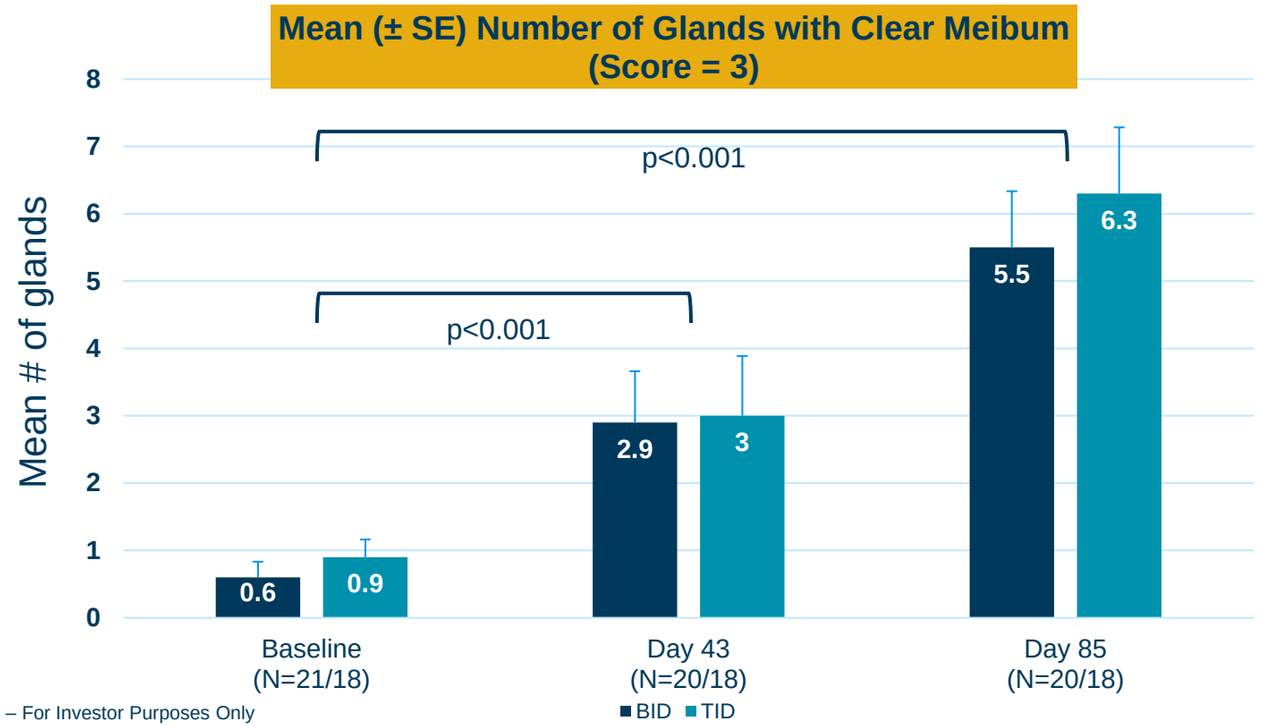
- Demonstrated a significant and clinically meaningful increase from baseline that was observed in the mean MGSS of 10.5 (± 1.6 standard error, SE) and 11.7 (± 1.9 SE) for the BID and TID arms, respectively, at Day 85 ($p < 0.001$)
- No statistically significant differences between BID and TID treatment groups



*MGSS Score Range 0-45

TP-03 Treatment Significantly Improves Meibomian Gland Secretion

- Demonstrated improvement in the mean number of meibomian glands secreting clear liquid from baseline that was also statistically significant and clinically meaningful, with an increase of 4.8 (± 0.8 SE) and 5.3 (± 1.1 SE) glands for the BID and TID arms, respectively, at Day 85 ($p < 0.001$)
- No statistically significant differences between BID and TID treatment groups



Ersa MGD Phase 2a Study Safety and Tolerability

- **TP-03 was generally well tolerated following 12 week of treatment period**
  - Most Adverse Events (AEs) were mild
    - 2 Drug-related AEs were mild (5.1%): 1 case of ocular discomfort in the BID arm and 1 case of conjunctivitis in the TID arm

- **No related Serious Adverse Events (SAEs)**
  - 1 unrelated SAE of presyncope

- **No treatment-related discontinuations**