Real World Early Physician Experience Using an Intracanalicular Dexamethasone Insert to Treat Post-Operative Ocular Inflammation and Pain

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FINANCIAL DISCLOSURES

John D. Stephens, MD (Presenting Author), Jay C. Bradley, MD, Brian B. Foster, MD, and Richard A. Lehrer, MD, were participants in the surveys. Alyssa M. Montieth; Srilatha Vantipalli, PhD; Jamie Lynne Metzinger, MPH; and Michael H. Goldstein, MD, MBA are employees of Ocular Therapeutix, Inc.

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Introduction and Rationale

DEXTENZA (dexamethasone ophthalmic insert) 0.4 mg

- Intracanalicular, sustained-release, bioresorbable, hydrogel-based insert that releases dexamethasone over 4-weeks\(^1\)
- FDA-approved for treating of ocular inflammation and pain following ophthalmic surgery\(^1\)
- The Early Experience Program collected initial user experience and feedback with DEXTENZA in cataract surgery patients

Due to structural and physical differences between punctal/canalicular plugs and DEXTENZA, we aimed to evaluate the learning curve for the administration of DEXTENZA

Methods: Study Design
Phase 4 Experiential Cross-Sectional Survey Study

Survey Respondents
- Physicians who participated in the Early Experience Program with no prior experience using DEXTENZA in cataract surgery patients
- Represented 23 US practices, including ambulatory surgical clinical settings and outpatient clinical settings

Data Analysis
- Descriptive statistics summarized responses to determine:
  - Number of insertions required before becoming comfortable
  - Incremental burden on staff time and logistics
  - Overall physician satisfaction

The study was comprised of 3 sequential online physician surveys

Day -1
Surgeons take Survey 1: Baseline Survey assessing expectations
Surgeons performed ~10 cataract procedures using DEXTENZA

Day 1
Surgeons take Survey 2: Procedure Survey assessing initial experience, learning curve and ease of use
30 day follow-up appointments with all DEXTENZA patients

Day 30
Surgeons take Survey 3: Follow-up Survey assessing overall experience and satisfaction
Physician Demographics

Gender (N=42)
- Male: 76%
- Female: 24%

Years Practicing Ophthalmology After Residency (N=42)
- 1-10 Years: 29%
- 11-20 Years: 26%
- 21-30 Years: 40%
- >30 Years: 5%

Completed Fellowship (N=42)
- Yes: 62%
- No: 38%

Fellowship specialty area*, n (%)
- Cornea: 21 (81)
- Refractive surgery: 12 (46)
- Glaucoma: 6 (23)
- Other: 3 (12)

*Survey participants were allowed to select more than one specialty area.
On Average, Physicians were Comfortable Placing DEXTENZA After 3 Inserts

Overall, 90% of physicians were comfortable using DEXTENZA

Number of DEXTENZA Insertions Prior to Becoming Comfortable (n=34)

- 1 Insert: 27%
- 2 Inserts: 19%
- 3 Inserts: 24%
- 5 Inserts: 16%
- 10 Inserts: 3%
- 4 Inserts: 3%
- No Answer: 8%

70% of Physicians were Comfortable Placing DEXTENZA After ≤3 Insertions
Mean: 3 Inserts

Physicians' Level of Comfort Using DEXTENZA* (n=37)

<table>
<thead>
<tr>
<th>Likert Score</th>
<th>Not comfortable</th>
<th>Neither comfortable/uncomfortable</th>
<th>Very comfortable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Likert score 3</td>
<td>3%</td>
<td>5%</td>
<td>22%</td>
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<tr>
<td>Likert score 4</td>
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<td>Likert score 5</td>
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<tr>
<td>Likert score 6</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Likert score 7</td>
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<td></td>
<td>65%</td>
</tr>
</tbody>
</table>

70% of Physicians were Comfortable Placing DEXTENZA After ≤3 Insertions
Mean: 3 Inserts

*Physicians were asked to rate their overall comfort with DEXTENZA on a Likert scale of 1 (not comfortable) to 7 (very comfortable) one day after performing cataract surgery
87% of Physicians Rated Their Experience with DEXTENZA as Easy and Estimated Little to No Burden on Staff

**Physicians' Overall Experience with DEXTENZA and Incremental Burden Rating**

*Physicians were asked to rate their overall experience with DEXTENZA on a Likert scale of 1 (very difficult) to 7 (very easy) one day after performing cataract surgery.

†Physicians were asked how much incremental burden was placed on staff time and logistics due to DEXTENZA utilization on a Likert scale of 1 (high burden) to 7 (no burden) one day after performing cataract surgery.
Overall, 91% of Physicians were Satisfied with DEXTENZA

*Physicians were asked to rate their satisfaction with DEXTENZA on a Likert scale of 1 (extremely dissatisfied) to 7 (extremely satisfied).
Conclusions

DEXTENZA appears to integrate well into clinical use

On average, physicians with no prior experience using DEXTENZA in cataract surgery patients reported becoming **comfortable with inserting DEXTENZA after 3 insertions** regardless of clinical setting.

Most physicians (87%) thought that the experience of **using DEXTENZA was easy** and created **little to no incremental burden** on staff time and logistics use.

A majority (91%) of physicians new to DEXTENZA reported overall satisfaction with DEXTENZA.