

PURPOSE

- Intravitreal injections are among the **most common ophthalmic procedures** worldwide.
- Traditional **clip-and-drape technique** is effective but time-consuming and resource-intensive.
- The **Precivia device** (formerly InVitria) offers a simplified, standardised alternative.

AIM

- To **evaluate** efficiency, safety, and patient experience using Precivia.
- To **compare** with conventional clip-and-drape technique based on real-world experience.

METHODS

Study Design

- Observational comparison of two techniques
- Clip-and-drape vs. Precivia device-assisted injections

Aseptic Protocol

- Povidone-iodine skin & conjunctival prep
- Topical anaesthesia (oxybuprocaine 0.4%)

Precivia Technique

- Fixed 28° entry angle and 5.6 mm depth
- Conjunctival displacement via device rotation
- Injection performed outside visual axis

Outcomes Assessed

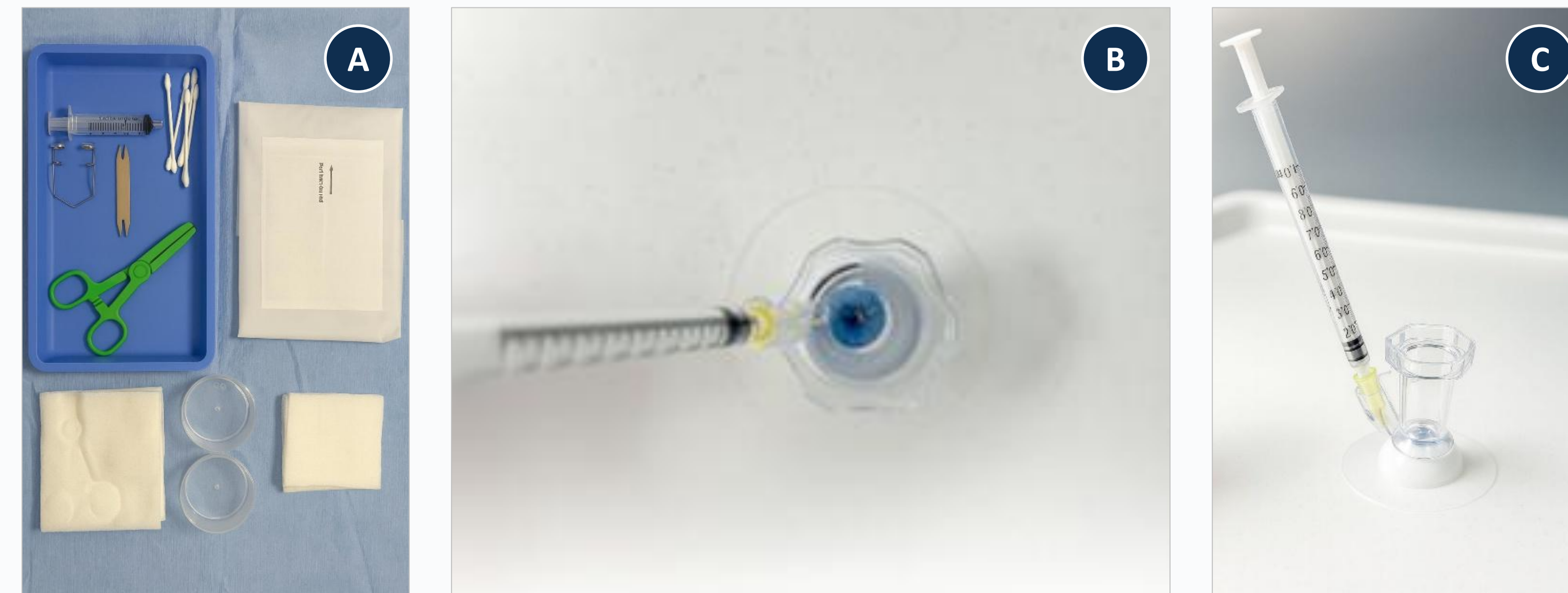
- Procedure time
- Complications (endophthalmitis, IOP spikes)
- Patient-reported comfort

Personal Procedural Volume

Clip-and-drape	831 injections
Precivia	600 injections

Total real-world experience: **1,431** injections evaluated

DEVICE & TECHNIQUE



(A) Single-use injection kit (syringe, eyelid speculum, cotton applicators, gauze, drapes, additional instruments) on a sterile field. (B) & (C) Precivia device positioning during injection.

RESULTS

EFFICIENCY
~1 min 50s
saved per injection

- Comparable to published data (~1 min 32 sec reduction)
- Significant time saved across high-volume clinic lists

PATIENT EXPERIENCE
★★★★★
consistently reported

- Less discomfort during the procedure
- Reduced foreign-body sensation
- Less anxiety — needle not visible to the patient

SAFETY
0 vs 0
infective endophthalmitis

- 1 case presumed sterile endophthalmitis (Precivia)
- Transient IOP spikes: 0 (clip-and-drape) vs 10 (Precivia) → all resolved without sequelae

SYSTEM IMPACT
~£24,300
estimated cost saving / year (lit.)

- Improved clinic flow and reduced waiting times
- Reduced procedural waste

CONCLUSIONS

Precivia provides:

- Faster, standardised delivery**
- Improved patient comfort**
- Operational efficiency in high-volume services**

✓ **Safety profile comparable to traditional technique.**

⚠ **Transient IOP elevations observed → warrants further study.**

LIMITATIONS

Not suitable for:

- Trabeculectomy eyes
- Corneal grafts
- Small palpebral apertures
- Steroid implants (e.g. Ozurdex)

“Precivia reduces injection time while improving patient comfort, with a comparable safety profile in real-world practice.”



Innovation in everyday practice can significantly enhance the patient journey and clinic efficiency.