



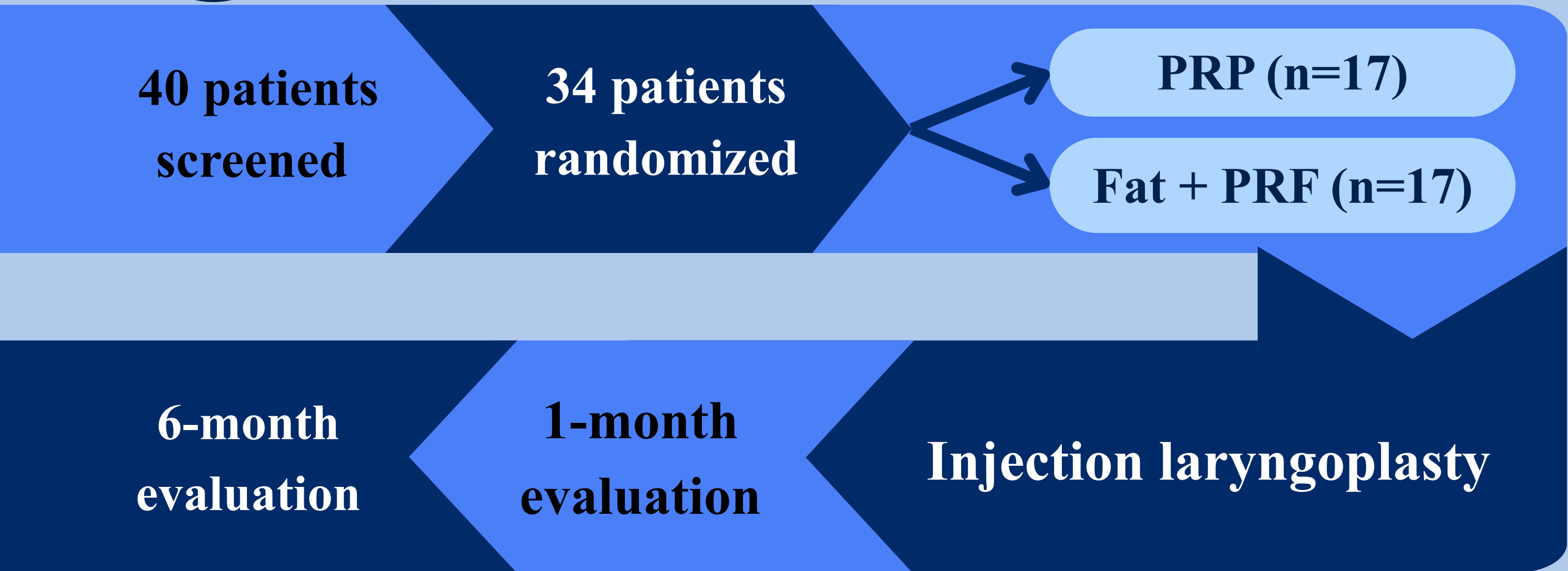
COMPARISON OF THE EFFECTIVENESS OF INJECTION LARYNGOPLASTY USING AUTOLOGOUS PLATELET-RICH PLASMA OR AUTOLOGOUS FAT WITH PLATELET-RICH FIBRIN FOR THE TREATMENT OF PATIENTS WITH UNILATERAL VOCAL FOLD PARALYSIS

SUDSAMAI V, MARPUKDEE VR, PRANEETVATAKUL P, AND MAHATHANARUK N.
DEPARTMENT OF OTOLARYNGOLOGY, FACULTY OF MEDICINE RAMATHIBODI HOSPITAL, MAHIDOL UNIVERSITY, BANGKOK, THAILAND

Key message

- Comparable Voice Outcomes with Two Biologic Injectates**
- Comparable improvement in voice quality
 - No significant between-group difference
 - Safe and effective treatment options
- 34 Patients | Prospective Randomized Trial | 6-Month Follow-up**

Study flow



Results

- Primary Outcome - Voice Handicap Index (VHI)**
- Significant improvement in both groups
 - No significant between-group difference
- Secondary Outcome - Objective voice measurements**
- Maximum phonation time (MPT) ↑
 - Harmonic-to-Noise ratio (HNR) ↑
 - Jitter ↓
 - Shimmer ↓
- Comparable improvement across all parameters**

Conclusion

- Clinical Take-home Message**
- Comparable clinical efficacy
 - Significant improvement in voice outcomes
 - Minor self-limited complications
 - Both biologic injectates are appropriate treatment options

Safety

PRP	Fat + PRF
1 Transient Laryngospasm	3 Abdominal Bruises 2 Abdominal Hematoma

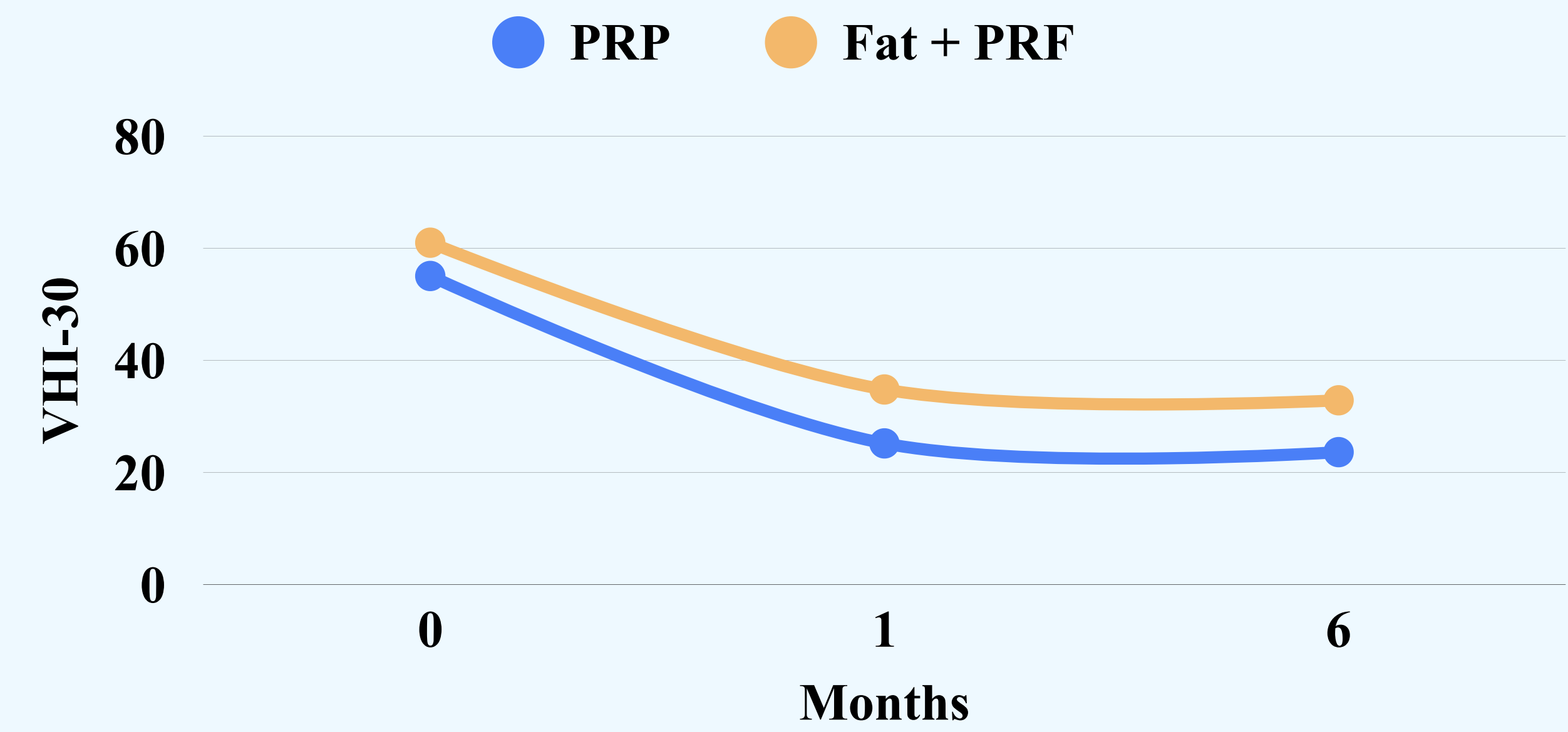
Why this study?

- Clinical Problem**
- Glottic insufficiency
 - Dysphonia and impaired quality of life
- Clinical Question**
- Which biologic injectate provides better voice outcomes?

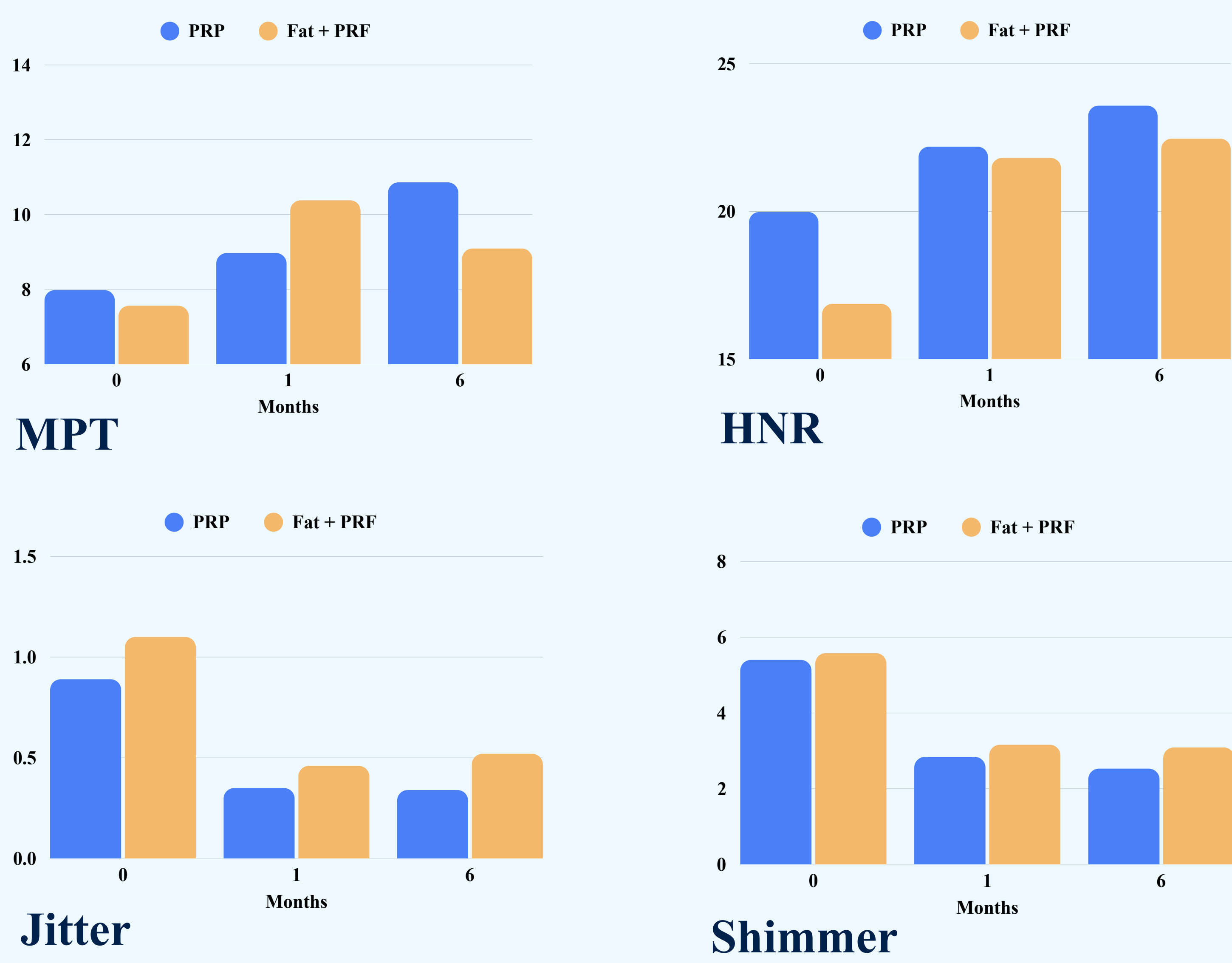
Objective

Compare the clinical outcomes of Platelet-Rich Plasma (PRP) versus Autologous Fat + Platelet-Rich Fibrin (Fat+PRF) for injection laryngoplasty in patients with unilateral vocal fold paralysis.

Primary outcome - VHI



Secondary outcome - Objective measurement



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