**Labral Repair Synthetic Dataset – Data Dictionary**

# 1. Single Surgeon Dataset

|  |  |  |
| --- | --- | --- |
| Field Name | Description | Estimated Range |
| Case ID |  | — |
| Surgeon ID |  | — |
| Portal Placement Duration (min) |  | 1.57–19.0 |
| Portal Placement Idle Time (min) |  | 0.0–0.98 |
| Diagnostic Arthroscopy Duration (min) |  | 1.89–16.33 |
| Diagnostic Arthroscopy Idle Time (min) |  | 0.0–0.93 |
| Glenoid Preparation Duration (min) |  | 1.99–15.25 |
| Glenoid Preparation Idle Time (min) |  | 0.0–0.99 |
| Anchor Placement Duration (min) |  | 2.44–17.64 |
| Anchor Placement Idle Time (min) |  | 0.01–0.98 |
| Suture Passage Duration (min) |  | 2.29–22.63 |
| Suture Passage Idle Time (min) |  | 0.01–0.97 |
| Suture Management Duration (min) |  | 1.5–14.31 |
| Suture Management Idle Time (min) |  | 0.03–0.99 |
| Final Inspection Duration (min) |  | 2.52–18.1 |
| Final Inspection Idle Time (min) |  | 0.0–1.0 |
| Total Procedure Time (min) |  | 31.38–74.44 |
| Total Idle Time (min) |  | 1.25–5.48 |
| Electrocautery Usage (%) |  | — |
| Bleeding Events |  | 0–5 |
| Anchor Repositions |  | 0–2 |
| Number of Implants |  | 2–5 |
| Number of Disposables |  | 3–8 |
| Time to Pass First Suture (min) |  | 0.58–2.99 |

**2. Monthly Multi-Surgeon Dataset**

|  |  |  |
| --- | --- | --- |
| Field Name | Description | Estimated Range |
| Surgeon ID |  | — |
| Total Procedures (Monthly) |  | 5-30 |
| Avg Procedure Time (min) |  | 35.13–69.84 |
| Avg Idle Time (min) |  | 2.02–5.83 |
| Avg Electrocautery Usage (%) |  | 5-30 |
| Avg Bleeding Events |  | 0.53–2.49 |
| Avg Anchor Repositions |  | 0.2–1.49 |
| Avg Implants per Case |  | 2.13–4.91 |
| Avg Disposables per Case |  | 3.37–7.26 |
| Avg Time to First Suture (min) |  | 0.64–2.49 |
| Portal Placement Avg Duration (min) |  | 2.47–9.84 |
| Diagnostic Arthroscopy Avg Duration (min) |  | 2.1–9.84 |
| Glenoid Preparation Avg Duration (min) |  | 2.0–9.83 |
| Anchor Placement Avg Duration (min) |  | 2.14–9.88 |
| Suture Passage Avg Duration (min) |  | 2.01–9.97 |
| Suture Management Avg Duration (min) |  | 2.04–9.95 |
| Final Inspection Avg Duration (min) |  | 2.06–9.93 |