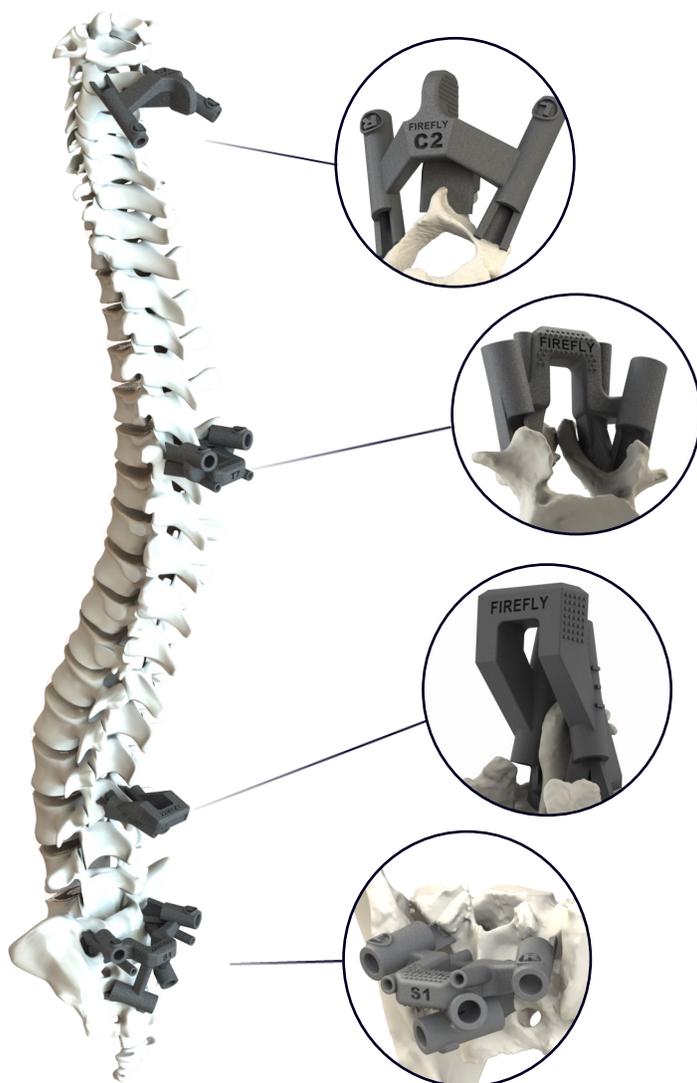




MIGHTY OAK MEDICAL



Unsurpassed Accuracy
With Patient-Specific Guides



Open Platform Navigation
Has Enabled the Implantation of
45,000+ Screws



Concierge Pre-Surgical Planning
Saves Time and Reduces Intra-op
Radiation Exposure



Reimbursement Pathway
Category III CPT Codes for Guides
& Bone Models

FIREFLY® TECHNOLOGY

Navigational Guidance Platform



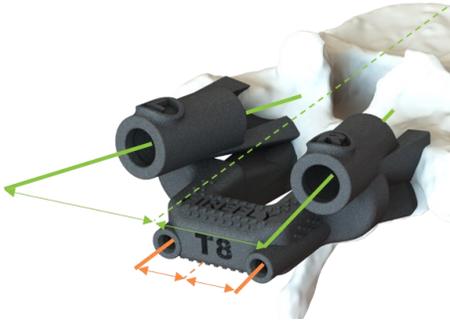
PARC00074 Rev B

SURGICAL CASE BUNDLE

CUSTOMIZED PACKAGE FOR EVERY PATIENT

PRE-SURGICAL PLAN

Implant size and trajectory planning customized to your preferences by a team of highly trained biomedical designers.



PATIENT-SPECIFIC GUIDES

Supporting traditional pedicle screw, cortical bone, cervical, and S2AI trajectories.



3D PRINTED BONE MODEL

Autoclavable patient bone model is provided for preoperative and intraoperative reference with planned screw trajectories.



PRE-SURGICAL PLAN FEATURES

COMPREHENSIVE ANALYTICS FOR ALL INSTRUMENTED LEVELS

FIREFLY Case ID: 22ABCD Plan Version: P1 

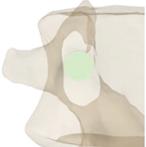
L4

- Left Pedicle Screw 6.5 x 50 mm
- Right Pedicle Screw 6.5 x 50 mm

Left Lateral



Left Pedicle



Transverse



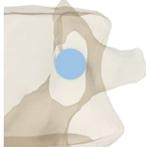
Guide Fit



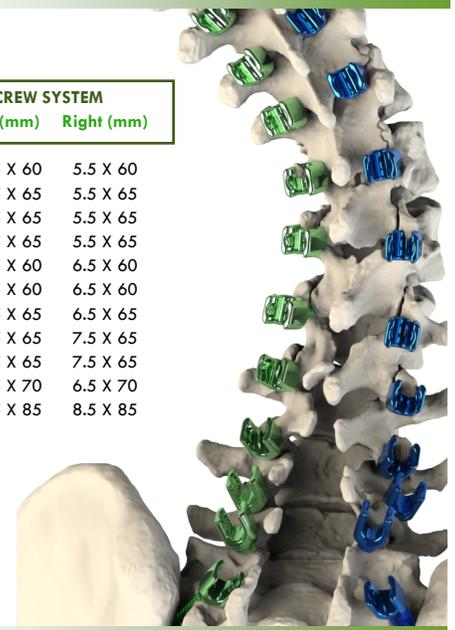
Right Lateral



Right Pedicle



PEDICLE SCREW SYSTEM		
Level	Left (mm)	Right (mm)
T8	5.5 X 60	5.5 X 60
T9	5.5 X 65	5.5 X 65
T10	5.5 X 65	5.5 X 65
T11	5.5 X 65	5.5 X 65
T12	6.5 X 60	6.5 X 60
L1	6.5 X 60	6.5 X 60
L2	6.5 X 65	6.5 X 65
L3	7.5 X 65	7.5 X 65
L4	7.5 X 65	7.5 X 65
L5	7.5 X 70	6.5 X 70
S1	8.5 X 85	8.5 X 85



Posterior Screw Alignment and Lateral Overviews

NAVIGATE.

Don't Complicate.



FEATURES & BENEFITS

PATIENT-SPECIFIC, PERSONALIZED CARE

Maximum Stability

Guides perfectly mimic patient anatomy and provides multiple points of contact for increased stability.

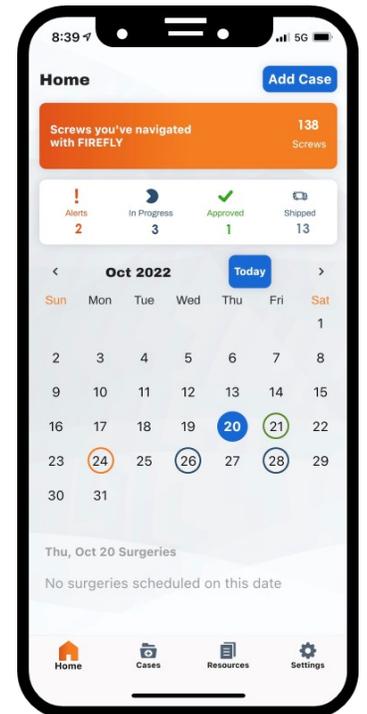


Screw Agnostic

FIREFLY® open platform navigation allows surgeons to continue with their preferred screw system, technique and workflow.

Streamlined Logistics

Mighty Oak's unique mobile application enables surgeons to order and schedule cases and approve pre-surgical plans.



Precise Execution

Unlike image guided navigation, FIREFLY® guides provide mechanical constraint to accurately place screws regardless of intraoperative vertebral movement.



FIREFLY® TECHNOLOGY

Ideal Navigation Solution with No Upfront Costs

Routine spine surgeries are migrating to outpatient ambulatory surgery centers (ASCs). Mighty Oak's FIREFLY® Guides are the perfect navigational solution for both ASCs and hospital settings, supporting faster, more cost-effective, and limited radiation surgery when compared to traditional free-hand techniques.

FIREFLY® COMPARED TO FREE-HAND TECHNIQUE

EFFICIENCY



**> 30 MIN
SAVED**

In a 5-Level Spinal Fusion Case [a]



COST SAVINGS



\$62 AVG

Cost per OR Minute [b]



\$1,900 AVG

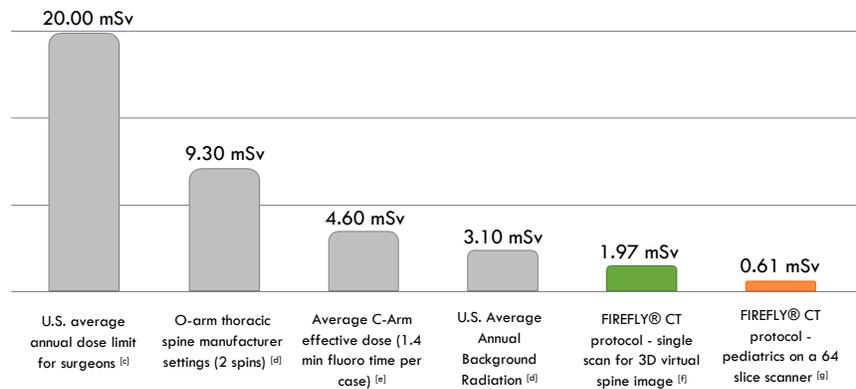
TOTAL Savings for a 5-Level Spinal Fusion Case

RADIATION



< 0.7 mSv

Patient Radiation Exposure



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720.398.9703
Sales@MightyOakMedical.com

PARC00074 Rev B

[a] Reference FF-PSG-1047_C

[b] Macario, Alex. "What Does One Minute of Operating Room Time Cost?" Journal of Clinical Anesthesia, vol. 22, no. 4, 2010, pp. 233-236., <https://doi.org/10.1016/j.jclinane.2010.02.003>.

[c] ICRP, 2007. The 2007 Recommendations of the International Commission on Radiological Protection, ICRP Publication 103. Ann ICRP 37(2-4).

[d] Su AW et al. How Does Patient Radiation Exposure Compare With Low-dose O-arm Versus Fluoroscopy for Pedicle Screw Placement in Idiopathic Scoliosis? J Pediatric Orthop. Volume 37, Number 3, April/May 2017.

[e] Jones DP et al. Radiation Exposure During Fluoroscopically Assisted Pedicle Screw Insertion In The Lumbar Spine. Spine (PhilaPa 1976). 2000;25(1):538-1541.

[f] Mean of seven low-dose pediatric scans. Case IDs 17CSHO (16 levels guided), 17HOCP (14 levels guided), 18OPAY (11 levels guided), and 17OPEP (13 levels guided), 17OFEC (3 levels guided), 18LDGE (2 levels guided), 17JMOM (10 levels guided), and 17SPSO (16 levels guided)

[g] Reference PARC-00035