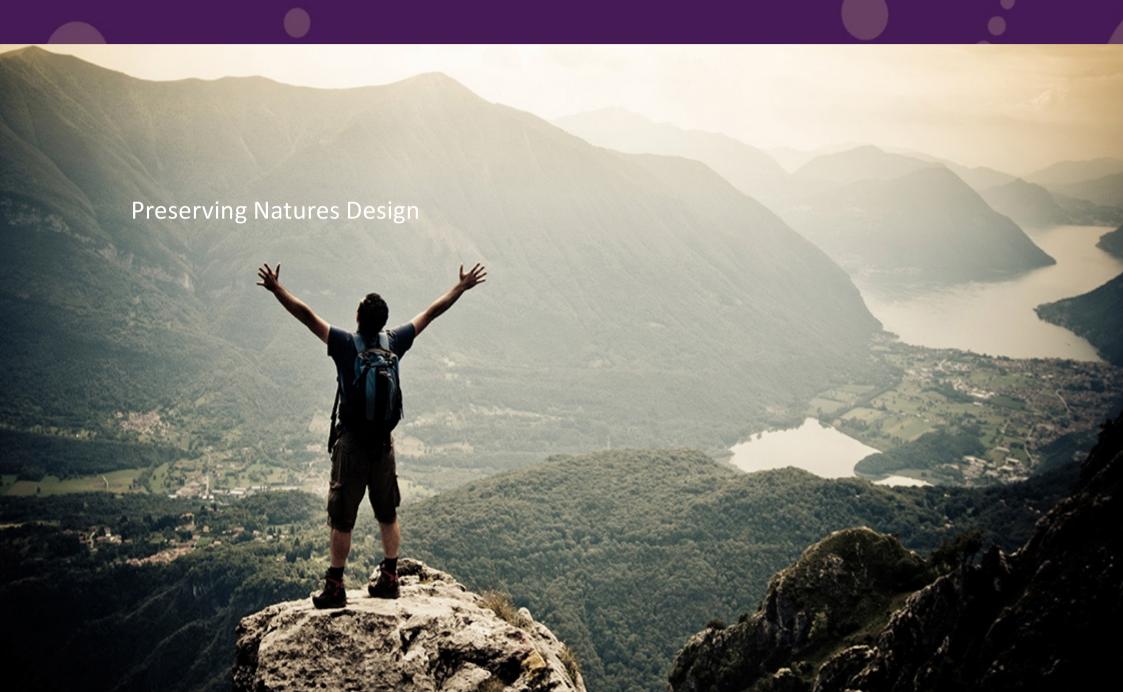


A Pioneering Approach to Spinal Stabilisation





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Overview

- A medical device company developing three pioneering, spinal stabilisation devices, Cervi-LOK[™], GRASP Laminoplasty & Faci-LOK[™], deliver superior performance and durability and generate significant cost savings.
- As the multiple advantages of these products become apparent to surgeons, TruSpine will be positioned to create a paradigm shift that will ultimately be disruptive to the \$10.2B global spinal (vertebral) stabilisation market.
- Uniquely provides exceptional and reversible spinal stabilisation without damaging / altering the anatomy, or requiring screws traditionally implanted irreversibly into the spine.
- Following Cervi-LOK™ 510k submission to the FDA in late July, targeting commencement of commercialisation late 2023.
- Highly experienced management team and advisory board with proven track record in medical device development and roll-out.
- Strong IP position including granted Faci-LOK ™ US patent.
- Pipeline of additional products exploiting the "no screw", "anatomy preservation" approach.





Strategy

Build a leading independent medical devices company that is at the forefront of reshaping the way clinicians approach vertebrae stabilisation and in the process transform how severe back pain is treated



Expand usage into broader settings such as diagnostics



Establish products as the go to solutions for the spinal stabilisation market.



Secure FDA approval for the three initial systems: Cervi-LOKTM,GRASP Laminoplasty and Faci-LOKTM.



Advance existing pipeline to build a portfolio of complementary products that are minimally intrusive, reversible and preserve the anatomy

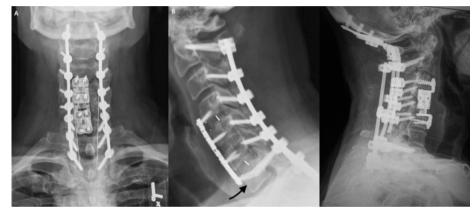


The Problem

Spinal stabilisation technologies and techniques, such as fusion, have not appreciably evolved in over 30 years. Screws are inserted into the pedicles of vertebrae, coupled with rods that extend along bilaterally the spine stabilisation. Fusion permanently alters the individual's biomechanics.

Placement of screws requires challenging precision - up to 20% of screws are not optimally placed. Newer computerassisted placement only reduces incorrect placement to 7%.

Failed back and neck surgery syndrome is very well documented, affecting circa 25% of people undergoing surgery.













The Solution – Cervi-LOK

Innovating and revolutionizing the posterior spine stabilization market

Clamp secured by lock nut to lock tulip and implant

Footplate driven by inner actuation screw to secure implant to posterior and sub laminar surface

Footplate Clamping Mechanism





Serrated teeth on tongue of implant for extra security and resistance to pull off on sublaminar surface Tulip to capture 3.5mm rod and set screw with 6 degrees of freedom (polyaxiality) for easier rod placement

- 3 implant sizes Small,
 Medium, and Large
- Left and Right side specific





The Solution – Cervi-Lok

Cervi-LOK™ Instrumentation Instruments are single use and sterile packed

Standard Lateral Mass Screw Instrumentation





Surgical Risk Comparison – Cervi-Lok

Surgical Risks Comparison	Cervi-LOK		Pedicle Screws
Non invasion of vertebrae	Yes	✓	No X
Reduced Risk of nerve injury	Yes	✓	No X
Preserve patient bone anatomy	Yes	✓	No X
Reversible Procedure	Yes	✓	No X
Reduced surgery time and anesthesia	Yes	✓	No X
Superior Pull-out Strength	Yes	✓	No X
Ability to modify device position post placement	Yes	✓	Limited
Significant reduction in x-ray exposure	Yes	✓	No X



Cervi-LOK vs Lateral Mass Screws

- Across a literature search on Posterior Cervical Stabilization procedure times (lateral mass screws), the mean operative time across the 13 included articles was 146.8 minutes and ranged from 77.4 minutes to 240.0 minutes.
- Cadaver Labs conducted and timed to evaluate Cervi-LOK procedure times

Date	Method	Incision Time	Procedure Time	Closing Time	Total Time
7/1/21	Utah 2 Surgeons	18 min	38 min	8 min	64 min
		_	_	_	_
2/3/22	SYR 1 Surgeon	15 min	47 min	10 min	72 min
- -	CVD a Count and	 •	 •	40	•••
2/3/22	SYR 2 Surgeons	15 min	17 min	10 min	42 min

Significant time savings with Cervi-LOK vs Lateral Mass Screws



Value Proposition & ValueBased Medicine

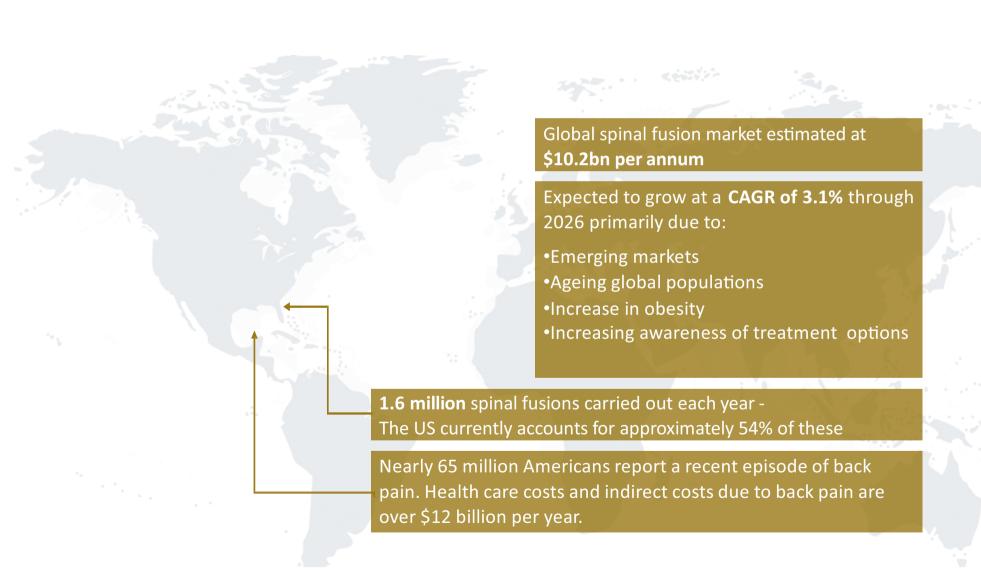
Preserving Nature's Design: TruSpine is innovating and revolutionizing the posterior spine stabilization market in developing **minimally intrusive technology** and minimal disposable and sterile instrumentation that will create **costs savings** in sterilization departments, operating room time, cost, and efficiency while adding tremendous **value** for all stakeholders in the healthcare ecosystem including hospitals, payers, spine surgeons, and ultimately the patient.

Today, very few spine companies are investing in innovative ways to stabilize the posterior spine.

✓ Better posterior stabilization	✓ More spine procedure	✓ Reduced costs per surgery	✓ Better patient satisfaction
✓ Reduced OR Time	output	✓ Recognition on utilizing	✓ Quicker recovery due to no
✓ Surgical efficiency and turn over	✓ Increased \$\$\$	superior technology	trauma to tissue/bone
✓ Reduced complications	✓ Reduced sterilization costs	✓ Increased \$\$\$	✓ Anatomy preserved
✓ Reduced instrumentation	✓ Better patient satisfaction	✓ Marketing opportunity for	✓ Less pain
✓ Reduced fluoro and no	✓ No navigation/robotics	hospital / payor	✓ Less opioids/narcotics
navigation/robotics needed	required	✓ Increased patients treated	✓ Less blood loss and length of
✓ Happy patients due to minimal	✓ Increased employee	✓ Optimal outcomes	stay
incision and less intrusiveness	satisfaction		✓ Same day release in some
✓ No burned bridges			instances

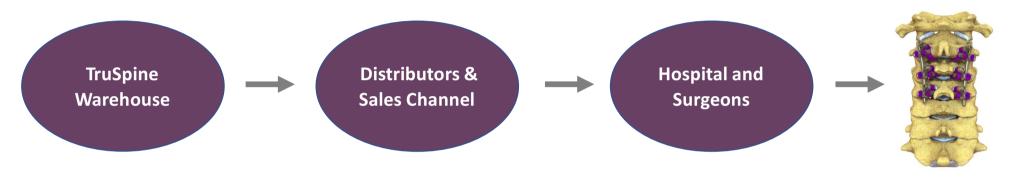


Global Market





Business Model



The Cervi-LOK System will be a game changer and disruptor to the spine market giving all distributors a SOLID solution in fusing the posterior cervical spine. As increased revenues are generated, TruSpine will expand its distribution sales channel to handle uptake of the procedure.





Commercialisation Timetable

	Q4 FY23	Q1 FY24	Q2 FY24	Q3 FY24	Q4 FY24	Q1 FY25	Q2 FY25	Q3 FY25	Q4 FY25	Q1 FY26	Q2 FY26	Q3 FY26	Q4 FY26	Q1 FY27	Q2 FY27
US Commercial Launch															
Clinical Data Collection															
EU Regulatory Perperation															
EU Clearance and Cervi-Lok Launch															







Summary



Cervi-LOK Cadaver testing Lincotek Lab, Utah

- Cervi-Lok device 510K to be lodged imminently
 - All device testing complete
 - Instrumentation & packaging complete
 - Packaging undergoing sterilisation and age testing validation
 - FDA 510k lodgement following completion of testing & validation
 - Following Cervi-LOK™ 510k submission to the FDA in late July, targeting commencement of commercialisation late 2023.
- Spartan Medical investment distribution agreement significant product validation and allows rapid go to market for Ceri-Lok post FDA
- Multiple patented products to follow on including Faci –Lok (lumber spine) & GRASP Laminoplasty.
- EIS & VCT compliant investment.



Board of Directors



Laurence Strauss - CEO

- Laurence Strauss started his career in 1986 on the Stock Exchange as a Blue Button on the Market floor and built up a successful private client Broking Business working for the likes of "Allied Provincial" and "Elders Finance."
- In 1992 Laurence chose to leave the City, taking a directorship with a small M&E contracting business quadrupling the Company's size in 3 years. From there he was headhunted by a shop fitting business where again he oversaw a large expansion program overseeing over 200 staff and £100m T/O.
- More recently Laurence has been advising private clients on stock investments and floatation's, he was first introduced to TruSpine Technologies Plc as a fundraiser for the Company's IPO.



Norman Lott - Group CFO

- Experienced international CFO with considerable PLC experience, having held multiple roles in AIM listed companies on the London Stock Exchange
- Member of the Institute of Chartered Accountants in the UK having qualified in 1980
- Aside from his experience as CFO he has also held other senior management roles including that of CEO; he also has relevant experience in this sector



Dr Tim Evans - Non-Exec Director

- Apothecary to Her Majesty and the Royal Households of London since 2005
- Qualified 1979, Westminster Hospital Medical School
- Awarded with an LVO to his services by HM The Queen 2016
- He is a Trustee and UK Board member of Mothers2Mothers, a charity providing healthcare service to 8 countries in sub Saharan Africa



Nik Patel Non Exec Director

- Practicing Consultant Neurosurgeon & Honorary Senior Clinical Lecturer at the Institute of Clinical Neurosciences (University of Bristol) since his appointment in 2005
- Trained in medicine at Charing Cross & Westminster Medical School, & in neurosciences at University College London; in 1991, he gained a First-Class Honours Degree in Neurosciences & in 1994 graduated in Medicine with Distinction in Pathology from University of London
- His basic surgical training was completed at Oxford University & his neurosurgical training was completed at Frenchay hospital, University of Bristol, where he was appointed Consultant Neurosurgeon in 2005



Appendix – Acquisitions in the Spinal Sector

- May2020
- S Illuminoss is acquired by HealthpointCapital for undisclosed
- Apr2020
- S Flower Orthopedics is acquired by Conventus Orthopaedicsfor undisclosed.
- S Apifix with Non-Fusion Scoliosis Technology is acquired by OrthoPediatricsfor \$37M up front.
- Feb2020
- S EOS Imaging is acquired by Alphatec Spinefor \$122M cash, stock and debt
- S Fitbone Limb Lengthening System (Wittenstein SE) is acquired by Orthofixundisclosed
- Jan2020
- RTI Surgical OEM business is acquired by Montaguor \$490M
- Arthrocare is acquired by Anika Therapeuticsfor \$100M
- S Parcus Medical is acquired by Anika Therapeutics 5 \$\frac{505}{250}\$
- Dec2019
- S Verb Surgical is acquired by J&Jfor undisclosed
- S IntraFuse is acquired by Conventus Orthopaedicsfor undisclosed
- Nov2019
- Oct2019
- S Mobium Imaging is acquired by Strykefor \$500M
- May2019
- Vertiflex is acquired by Boston Scientifidor \$465M
- Apr2019
- S Titan Spine is acquired by Medtronicfor \$470M
- Ian 2019
- S Renovis Surgical Technologies is acquired by Kyocerafor undisclosed

- Nov 2018
- S Response Ortho acquired by WishBone Medicalfor undisclosed
- S Paradigm Spine is acquired by RTI Surgicafor \$300M (7.5 X sales)
- Sep 2018
- Mazor Robotics is acquired by Medtronicor \$1.6B (13.5 X sales last year)
- S Invuity is acquired by Stryker for \$190M (4.9 X sales)
- S Vertera Spine acquired by NuVasivefor undisclosed
- Aug 2018
- K2M is acquired by Strykerfor \$1.6B in a stock purchase at (5.2 X sales)
- S EIT is acquired by DePuy Synthesfor undisclosed in Germany
- Surgimap is acquired by Globus Medicalfor undisclosed
- July 2018
- Thortex and Millennium Surgical acquired by Avalign Technologies for undisclose
- June 2018
- Sentio nerve location technology for spine acquired by J&J DePuy Synthesor undisclosed.
- May 2018
- S Expanding Orthopedics is acquired by CoreLinkfor undisclosed
- · Corin Orthopaedics is acquired by Permira, an EU private equity grouger undisclosed
- Bradshaw Medical is acquired by In'Tech Medicalfor undisclosed
- Apr 2018
- JRI Orthopaedics (UK) is acquired by AK Medical (China) for \$24M
- Mar 201
- Skeletal Kinetics is acquired by Orthoficfor \$105M (7 X sales)
- SafeOp is acquired by AlphaTec Spinefor \$27M cash plus stock
- Feb 2018
- S Orthotaxy, a French softwareenabled surgery startup, is acquired by J&J DePuyfor undisclosed



Appendix - Patents

- Faci-LOK
- Provisional application filed 12 January 2015 # 62/102,581
- Non-Provisional PCT (International) filed 12 January 2016 # US2016/013,030
- US Utility application # 15/646,615 filed 11 July 2017
- Application published on USPTO website on 9 November 2017 US Pub # 2017/0319,238. Individual countries will be designated lat er in 2018.
- Patent Grant date 23 June 2020 U.S. Patent number 10,687,866
- Cervi-LOK
- US Utility application # 16/206509
- "CIP" Continuation-In-Part filed on 30 November 2017 assigned Provisional Number # 62/592,819
- Clarification on claims from USPTO in May 2019
- Multiple international applications currently being filed including the EU and China.
- GRASP Laminoplasty
- Non-Provisional application filed on April 12, 2020
- Provisional patent application filed 12 April 2019 # 62/833,330
- Non-Provisional application to be filed in June 2019