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Q12024 FINANCIAL RESULTS

PAT MILES, CHAIRMAN & CEO | TODD KONING, EVP & CFO MAY 7, 2024

FORWARD LOOKING STATEMENTS

This presentation contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 that involve risks and uncertainty. Such statements are based on management's current expectations and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. The Company cautions investors that there can be no assurance that actual results will not differ materially from those projected or suggested in such forward-looking statements as a result of various factors. Forward-looking statements include, but are not limited to: references to the Company's revenue, balance sheet, growth, and financial outlook and commitments; planned product launches, introductions, regulatory submissions or clearances; efforts to transform sales channel; the Company's ability to compel surgeon adoption; and the Company's ability to finance its operations and sufficiency of its cash runway. Important factors that could cause actual operating results to differ significantly from those expressed or implied by such forward-looking statements include, but are not limited to: the uncertainty of success in developing new products or products currently in the pipeline; the uncertainties in the Company's ability to execute upon its strategic operating plan; the uncertainties regarding the ability to successfully license or acquire new products, and the commercial success of such products; failure to achieve acceptance of the Company's products by the surgeon community; failure to obtain FDA or other regulatory clearance or approval or unexpected or prolonged delays in the process; continuation of favorable Third-party reimbursement; unanticipated expenses or liabilities or other adverse events affecting cash flow or the Company's ability to achieve profitability; uncertainty of additional funding; product liability exposure; an unsuccessful outcome in any litigation; patent infringement claims; claims related to the Company's intellectual property; and the Company's ability to meet its financial obligations. A further list and description of these and other factors, risks and uncertainties can be found in the Company's most recent annual report, and any subsequent quarterly and current reports, filed with the Securities and Exchange Commission. ATEC disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise, unless required by law.



SKYTRON

Q12024 HIGHLIGHTS

ESTABLISHED FOUNDATION TO DELIVER PROFITABLE LONG-TERM GROWTH

\$138M

Total revenue

27% Total revenue growth

23%

Surgical volume growth

30% Surgical revenue growth with broad contribution

BEVENUE

REVENUE-GENERATING ASSETS

Deployed ~\$60M to enable growing sales team to serve surgeries

Deployed ~\$ enable growi

ADOPTION

150 surgeon training engagements drove 21% growth in surgeon adoption

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~450

bps adjusted EBITDA

margin expansion

6%

Growth in average

surgical revenue / case

SALES TEAM

28% revenue growth in

established territories &

continuing to leverage

industry disruption to

expand U.S. footprint

ATECIS DIFFERENT

100% KNOWHOW

Spine focus

Unmatched mechanical, imaging, navigation & neuromonitoring expertise

PROCEDURALIZATION

Assembling technologies from the ground up to fulfill the specific requirements of each procedure

CLINICAL DISTINCTION

Compelling surgeons & talent with innovation that advances spine surgery

INFORMATION

Integrating unprecedented, trade-secret protected informatics into spine surgery



GROWTH DRIVERS

LATERAL INFLUENCE + HALO EFFECT

2018 2019 2020 2021 2022 2023

5 | Extrapolation into the future is for illustration only.

FUTURE

U.S. SALES FORCE

Cherry-picking aligned and disrupted talent

INTERNATIONAL

Narrow & deep strategy beginning to contribute

VALENCE

Workflow-integrated robotic navigation on track for 2025

EOS INFORMATICS

Influence launch soon + expanding deformity presence

LATERAL DOMINANCE

- Strong neuromonitoring moat
- New products: expandable implants, corpectomy, 3D-printed implants
- Broader & deeper sales footprint



WHY IS LATERAL LEADERSHIP IMPORTANT?

(Coastaak

Can triggered electromyography monitoring throughon retraction predict postoperative symptomatic neuropra after XLIF? Results from a prospective multicenter tri

PP Advancing spine surgery by applying **UNRIVALED KNOWHOW** to approaches with significant, clinically validated advantages



LATERAL REQUIRES NEUROMONITORING, ATEC'S COMPETITIVE EDGE

EMG & SSEP MONITORING IS PIVOTAL TO LATERAL OUTCOMES

Highly enervated psoas muscle must be navigated to safely approach the spine laterally –20-minute retraction standard is **SUBJECTIVE¹**

WITHOUT SSEP MONITORING, FEMORAL NERVE COMPLICATIONS ARE A RISK

16% to 36% Thigh paresthesia/ dysesthesia²

2% to 5% Quadriceps palsy²

up to 60% Residual thigh pain³

SAFEOP IS DESIGNED TO ADDRESS THESE RISKS



See appendix for recent analysis of 20-minute rule | 2. Lehmen JA, Gerber EJ. MIS lateral spine surgery: a systematic literature review of complications, outcomes, and economics. *Eur Spine J* 2015;24(Suppl 3):S287-313. | 3.
 Isaac D. Gammal, BA, Jeffrey M. Spivak, MD, and John A. Bendo, MD. 2015; 9: 62. Published online 2015 Nov 12. doi: 10.14444/2062 PMCID: PMC4710156. Systematic Review of Thigh Symptoms after Lateral Transpsoas Interbody Fusion for Adult Patients with Degenerative Lumbar Spine Disease. *Int J Spine Surg.*

Automated SSEF

Femoral nerve

THE NEXT GENERATION OF NEUROMONITORING

The value of intra-operative objective measures



			OTHERS
U.S. lateral market share*	~12%	~50%	>30%
Neuromonitoring integrated	~	~	×
Surgeon-directed	~	~	×
EMG (nerve location)	~	~	×
SSEP (nerve health)	~	×	×
Small footprint	~	×	×



OUR COMPETIVE MOAT IS A HIGHLY PROTECTED TRADE SECRET

PROPRIETARY ALGORITHM

SSEPs' extremely small signal challenging to find & interpret amid electrical O.R. noise Automated SSEP provides real-time nerve health assessment vs. delayed information and compromised surgical response



Neuromonitoring experts continually advancing the technology



Peer-reviewed clinical publications on SafeOp*

SafeOp patents granted globally



SafeOp patents pending globally



~230 PRODUCT DEVELOPMENT ENGINEERS COMMITTED TO CONTINUED INNOVATION

Innovating beyond our last best effort in lateral

ENABLING TECHNOLOGY DEVELOPMENT

VALENCE"



Lateral workflowintegrated precision, and fluoro reduction

MEP integration will extend SafeOp into deformity & cervical procedures

S^FEOP

EOS Insight will automate alignment measurement & surgical planning, reconcile intraoperatively and provide patient-specific rods

INCREASING PROCEDURAL VALUE

Corpectomy Multi-level Deformity AIS

NEXT-GEN SOPHISTICATION

3-D printed implants Expandable implants



LATERAL MARKET PENETRATION & EXPANSION: P P WILL BE A LONG-TAILED GROWTH DRIVER

Unrivaled investment in the most coveted spine market

ONLY ATEC:

- Committed to improve lateral by better meeting surgical requirements & addressing hurdles
- Integrated SafeOp to avoid the complication most associated with lateral surgery
- Is compelling surgeons accustomed to conventional techniques (PLIF & TLIF)
- Continuously applies learnings to obsolete our last best effort



HALO EFFECT FROM LATERAL DISTINCTION

LATERAL CONFIDENCE CREATION EARNS SURGEON TRUST...



...and expands utilization of our more conventional approaches

ANTERIOR APPROACHES POSTERIOR APPROACHES

CERVICAL APPROACHES



EOS INSIGHT READY FOR LAUNCH, AS COMMITTED – DATA COLLECTION UNDERWAY



REPLICATING A PROVEN INFORMATICS PLAYBOOK

Automated neuromonitoring is to lateral what EOS will be to alignment



SAFEOP'S LATERAL INFLUENCE

Procedurally integrated objective information drives surgeon decision making– lateral

EOS WILL INFLUENCE DEFORMITY

Procedurally integrated objective information will drive surgeon decision making - deformity



PARADIGM-SHIFTING TECHNOLOGY

Controlling variables with objective, efficient pre-operative standard

CURRENT STANDARD:

ALIGNMENT & PLANNING BY GESTAULT

Time-consuming hand-calculations RARELY USED, even though alignment is most correlated to outcome durability

ARDUOUS, UNINFORMED ROD-BENDING

- Either zero or imprecise alignment information
- Rod curvature relies on 2D-segmented image and multi-iterative, subjective process

BONE QUALITY UNKNOWN

THE EOS STANDARD



Automatically calculated alignment & understanding of bone quality

Informed surgical plan

Objectively informed, efficiently pre-bent custom rods



PARADIGM-SHIFTING TECHNOLOGY

Controlling variables with objective, efficient intra- and post-operative standard

CURRENT STANDARD:

NO INTRA-OP / POST-OP RECONCILIATION TO PLAN

Surgeon unsure of execution during and after case – feedback is subjective

Intra-Op Image Captur



atec

Import surgical plan into O.R.

Measure alignment parameters and refine as surgery progresses

Export data for post-op review

Collect standardized images & data to inform future care



VALENCE DEVELOPMENT IS ON TRACK



OUR COMMITMENTS

Onboard team with deep expertise to spearhead technological integration and development

Secure clearance for InVictus screw placement



Obtain free-hand navigation clearance

Integrate into lateral workflow for improved predictability and efficiency



2024



INTERNATIONAL IS PROGRESSING

Applying learnings to ensure integrity of ATEC proceduralization

	AUSTRALIA/ NEW ZEALAND	JAPAN	
Market Size*	\$250M	\$450M	ANZ: PTP fully cleared
2023 Revenue	\$5M	\$0	 40+ surgeons attended inaugural ATEC anterior lateral meeting in Sydney
Populatory Clearance			- 20 surgeons trained
Regulatory Clearance			- 400 PTPs performed to date
Surgeons Trained	Beginning	Beginning	Japan: progressing as planned
Sales Presence			- Posterior fixation approved
			 Pimenta highly regarded
Office & warehouse			- Full launch of PTP expected 2026



DISRUPTION: A 2-3 YEAR TAILWIND

Capitalizing on opportunity to accelerate & improve caliber of our U.S expansion



- Quality & quantity of funnel consistently strong
- Strategically filling in major markets and adjacent geographies, some talent upgrades
- Path to productivity will vary



INFLUENCE IN MAJOR MARKETS EXPANDING

>5% Share of U.S. market overall* Share of top 10 U.S. markets* 6% ~25% Share in well-covered territories*

		SFINE GEOGRAF	
		2021 share*	2023 share*
1	New York, NY		4%
2	Los Angeles, CA	1%	3%
3	Dallas, TX	2%	6%
4	Houston, TX	3%	8%
5	Phoenix, AZ	3%	12%
6	Chicago, IL	5%	14%
7	Washington, DC		2%
8	Philadelphia, PA		1%
9	Miami, FL	1%	4%
10	Detroit, MI	1%	4%
	AVERAGE	2%	6%

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WELL-POSITIONED TO CREATE VALUE NEXT SEVERAL YEARS (AND BEYOND)

		2023	2027	
	Revenue	\$482M	\$1B	20% REVENUE CAGR
	Adjusted EBITDA*	(\$9M)	\$180M	2.000
Adj	usted EBITDA Margin*	(2%)	18%	BPS MARGIN EXPANSION
	Free Cash Flow	(\$159M)	\$65M	CASH FLOW BREAK-EVEN 2025



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FINANCIALS

Q1'24 REVENUE

Portfolio-wide momentum with greatest contribution to growth from lateral

	Q1 2024	YOY	QOQ
Surgical Revenue	\$123M	30%	0%
EOS Revenue	\$16M	5%	3%
TOTAL REVENUE	\$138M	27%	0%





NON-GAAP P&L HIGHLIGHTS*

Revenue growth fueling significant operating leverage

	Q1 2024	YOY
Total Revenue \$	\$138M	+27%
Gross margin %	71%	+50 bps
R&D %	10%	(100) bps
SG&A %	73%	(90) bps
Total Operating Expense	83%	(200) bps
OPERATING MARGIN %	(12%)	+240 bps

	Q1 2024	YOY
ADJUSTED EBITDA \$	(\$3M)	+\$4M
% of sales	(2%)	+450 bps

- Gross margin % increased with EOS margin improvement and volume-driven leverage of Memphis distribution center
- R&D levering while furthering innovation & Valence development
- SG&A leverage driven by improvement in infrastructure & variable selling expense, offset by 200 bps of YoY depreciation impact related to step-up in revenue-generating assets

- AEBITDA leverage of 450bps driven by:
 - 300 bps of SG&A leverage (ex depreciation)
 - 100 bps of R&D leverage
 - 50 bps of GM% improvement



BALANCE SHEET

Cash and liquidity to support path to cash flow break-even

CASH & DEBT	Q1 2024
Cash	\$144M
Debt (at face value) ¹	\$527M
CASH USE	Q1 2024
CASH USE Inventory & capital expenditures ²	Q1 2024 \$58M

- Free cash use \$70M
- Deploying capital as planned to invest in revenue-generating assets
- Continue to expect FY 2024 cash use of ~\$100M to be front-end loaded

COMPOSITION OF FCF USE



25 1. Detailed components as defined in 10Q for corresponding period. | 2. \$58M in inventory and capital expenditures for Q1'24 inclusive of instrument and inventory increases reflected in A/P balance | 3. Free Cash Use defined as GAAP Net cash used in operating activities and GAAP PP&E.



EQUIPPING EXPANDING SALES TEAM

Surgery –serving asset investments generate 3X ROI

INVESTMENT VS REVENUE GROWTH & AEBITDA* \$400 \$300 \$200 75% \$100 \$0 2022 2023-2024 2025-2027 (\$100) Surgical revenue growth Inventory & instruments Adjusted EBITDA

Investment in sets & inventory to support future growth generally at rate of 75% of sales growth

• 2025 to 2027 AEBITDA will exceed investment requirements



UPDATED 2024 GUIDANCE

Continued market share expansion driving sector-leading growth & operating leverage

	FY 2024 PREVIOUS	FY 2024 UPDATED	YOY
Surgical Revenue	\$530M	\$536M	27%
EOS Revenue	\$65M	\$65M	9%
TOTAL REVENUE	\$595M	\$601M	25%
ADJUSTED EBITDA	\$22M	\$23M	+ 570 bps



Growth momentum fueling AEBITDA progress

Drop through of YoY sales growth accelerating to 27% vs 22% in 2023



OPERATING LEVERAGE FUELS OUR INFLECTION TO CASH GENERATION

Well-defined path to self-funded growth ahead





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SPINE-FOCUSED MOMENTUM

~40% REVENUE CAGR

Sector-leading, 5-year revenue CAGR fueled by clinical distinction-driven market share expansion

\$88 MARKET*

Vast need for effective care & predictable outcomes not being met by unfocused conglomerateurs

PROFITABLE SALES GROWTH

Clear line of sight to cash flow break-even in 2025, which, with strong balance sheet, will support self-funded future growth

INCREMENTAL CATALYSTS

- Lateral expansion
- Market disruption
- Enabling tech launches
- International
- Deformity influence



THE OPPORTUNITY TO **IMPROVE SPINE SURGERY SSIGNIFICANT**

% OF SURGERIES THAT REQUIRE **REVISION***



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UNIQUELY POSITIONED **TO LEAD**

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APPENDIX

SUPPLEMENTAL FINANCIAL INFORMATION

CLEC HISTORICAL	- GAAP	Päl) - CU	NSUL	DAT	ED (ŞU	UU'S J					
INFORMED BY EOS	2020	2021	Q122	Q222	Q322	Q422	2022	Q123	Q223	Q323	Q423	2023	Q124
Revenues:													
Revenue from products and services	141,079	242,258	70,918	84,151	89,839	105,944	350,852	109,110	116,920	118,262	137,970	482,262	138,477
Revenue from Int'l supply agreement	3,782	954	15	-	-	-	15	-	-	-	-	-	-
TOTAL REVENUE	144,861	243,212	70,933	84,151	89,839	105,944	350,867	109,110	116,920	118,262	137,970	482,262	138,477
Cost of revenue	42,360	85,450	21,717	28,675	30,323	37,093	117,808	38,685	52,379	38,215	42,780	172,059	41,126
Total gross profit	102,501	157,762	49,216	55,476	59,516	68,851	233,059	70,425	64,541	80,047	95,190	310,203	97,351
Operating expenses (GAAP):													
Research & development	18,745	32,015	9,722	10,596	12,111	11,604	44,033	13,260	14,571	20,000	22,284	70,115	18,012
Sales, general & administrative	129,156	229,271	69,471	72,668	75,954	81,920	300,013	91,262	87,287	91,411	104,120	374,080	113,727
Litigation-related	8,552	11,123	7,532	5,495	3,602	7,314	23,943	3,192	6,908	2,715	9,472	22,287	4,428
Amortization of acquired intangible assets	688	5,348	2,230	2,177	2,774	2,934	10,115	2,883	3,705	3,873	3,823	14,284	3,854
Transaction-related expenses	4,223	6,365	120	-	-		120	-	1,900	278	(65)	2,113	(117)
Restructuring expenses	-	1,697	1,370	289	45	106	1,810	175	29	129	386	719	788
Total operating expenses (GAAP)	161,364	285,819	90,445	91,225	94,486	103,878	380,034	110,772	114,400	118,406	140,020	483,598	140,692
TOTAL OPERATING LOSS	(58,863)	(128,057)	(41,229)	(35,749)	(34,970)	(35,027)	(146,975)	(40,347)	(49,859)	(38,359)	(44,830)	(173,395)	(43,341)
Other income (expense):													
Interest and other income (expense),net	(12,374)	(8,671)	(1,486)	(1,368)	(1,900)	(280)	(5,034)	(3,168)	(1,568)	(4,412)	(4,372)	(13,520)	(5,223)
Loss on debt extinguishment	(7,612)	(7,434)	-	-	-	-	-	-	-	-	-	-	-
Total other income (expense), net	(19,986)	(16,105)	(1,486)	(1,368)	(1,900)	(280)	(5,034)	(3,168)	(1,568)	(4,412)	(4,372)	(13,520)	(5,223)
Income (loss) from continuing operations (GAAP)	(78,849)	(144,162)	(42,715)	(37,117)	(36,870)	(35,307)	(152,009)	(43,515)	(51,427)	(42,771)	(49,202)	(186,915)	(48,564)
		• • •					• • •	• • •	• • •	• • •	• • •	• • •	
Income tax provision	145	(1,130)	(99)	(16)	(77)	(524)	(716)	14	(50)	(117)	(124)	(277)	(69)
Net loss	(78,994)	(143,032)	(42,616)	(37,101)	(36,793)	(34,783)	(151,293)	(43,529)	(51,377)	(42,654)	(49,078)	(186,638)	(48,495)
				· · · · ·	· · · -	- · · ·		- · · -					
Net loss per share	(1.18)	(1.49)	(0.43)	(0.36)	(0.35)	(0.33)	(1.46)	(0.40)	(0.43)	(0.35)	(0.37)	(1.54)	(0.34)
Weighted avg shares outstanding, basic & diluted	67,020	96,197	99,978	102,849	104,804	105,835	103,373	109,751	118,719	122,468	133,750	121,243	140,980



Access this file at https://investors.alphatecspine.com/quarterly-results/default.aspx

SUPPLEMENTAL FINANCIAL INFORMATION

Access this file at https://investors.alphatecspine.com/quarterlyresults/default.aspx

NON-GAAP RECONCILIATION - CONSOLIDATED (\$000's)

NON-GAAP GROSS PROFIT & GROSS MARGIN	2020	2021	Q122	Q222	Q322	Q422	2022	Q123	Q223	Q323	Q423	2023	Q124
Gross Profit, GAAP	102,501	157,762	49,216	55,476	59,516	68,851	233,059	70,425	64,541	80,047	95,190	310,203	97,351
+ Amortization of intangible assets	1,075	1,075	-	9	28	27	64	220	220	221	278	939	307
+ Stock-based compensation	512	737	256	449	735	1,157	2,597	6,006	16,226	2,369	481	25,082	483
+ Purchase accounting adjustments on acquisitions	-	6,423	-	437	347	565	1,349	195	-	-	198	393	-
Non-GAAP Gross Profit	104,088	165,997	49,472	56,371	60,626	70,600	237,069	76,846	80,987	82,637	96,147	336,617	98,141
Gross Margin, GAAP	70.8%	64.9%	69.4%	65.9%	66.2%	65.0%	66.4%	64.5%	55.2%	67.7%	69.0%	64.3%	70.3%
+ Amortization of intangible assets	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
+ Stock-based compensation	0.4%	0.3%	0.4%	0.5%	0.8%	1.1%	0.7%	5.5%	13.9%	2.0%	0.3%	5.2%	0.3%
+ Purchase accounting adjustments on acquisitions	0.0%	2.6%	0.0%	0.5%	0.4%	0.5%	0.4%	0.2%	0.0%	0.0%	0.1%	0.1%	0.0%
Non-GAAP Gross Margin	71.9%	68.3%	69.7%	67.0%	67.5%	66.6%	67.6%	70.4%	69.3%	69.9%	69.7%	69.8%	70.9%
NON-GAAP OPERATING EXPENSES	2020	2021	0122	0222	0322	0422	2022	0123	0223	0323	0423	2023	0124
	2020	LULI	Q.L.L	W.C.C.	QUEL	QTEE	LOLL	Q1L3	QLL3	QJEJ	QTES	LOLD	4TE4
Research & Development, GAAP	18,745	32,015	9,722	10,596	12,111	11,604	44,033	13,260	14,571	20,000	22,284	70,115	18,012
 Stock-based compensation in R&D 	2,074	4,056	972	1,362	1,653	1,029	5,016	1,317	1,480	6,790	9,154	18,741	4,315
Non-GAAP R&D	16,671	27,959	8,750	9,234	10,458	10,575	39,017	11,943	13,091	13,210	13,130	51,374	13,697
Sales General & Administrative. GAAP	129.156	229.271	69.471	72.668	75.954	81.920	300.013	91.262	87.287	91.411	104.120	374.080	113.727
- Stock-based compensation in SG&A	15.073	31.657	8,956	7.392	8.689	7,906	32,943	9,139	6.488	10.914	10.880	37.421	12,524
+ Other non-recurring expenses	-	-	-	-	-	-	-	1,349	-	-	-	1,349	-
Non-GAAP SG&A	114,083	197,614	60,515	65,276	67,265	74,014	267,070	80,774	80,799	80,497	93,240	335,310	101,203
Other Operating Expense, GAAP	13.463	24,533	11.252	7.961	6.421	10.354	35,988	6.250	12,542	6.995	13.616	39,403	8,953
- Litigation-related expenses	8,552	11,123	7,532	5,495	3,602	7.314	23,943	3,192	6,908	2,715	9,472	22,287	4,428
- Amortization of intangible assets	688	5,348	2,230	2.177	2,774	2,934	10.115	2.883	3,705	3.873	3.823	14.284	3.854
- Transaction-related expenses	4,223	6,365	120		-		120	_,===	1,900	278	(65)	2,113	(117)
- Restructuring expenses	· _	1,697	1,370	289	45	106	1,810	175	29	129	386	719	788
Non-GAAP Other Operating Expense	-	-	-	-	-	-	-	-	-	-	-	-	,-
Total Non-GAAP Operating Expenses	130,754	225,573	69,265	74,510	77,723	84,589	306,087	92,717	93,890	93,707	106,370	386,684	114,900
Non-GAAB Operating Expanses % of Bevenue													
Ron-GAAF Operating Expenses % of Revenue	11 5%	11 5%	12 3%	11 0%	11 6%	10.0%	11 106	10.0%	11 2%	11 2%	9.5%	10 7%	0.0%
Sales general & administrative	78.8%	81.3%	85.3%	77.6%	74.9%	69.9%	76.1%	74.0%	69.1%	68.1%	67.6%	69.5%	73 1%
Total Non-GAAP Operating Expenses % of Revenue	90.3%	92.8%	97.6%	88.5%	86.5%	79.9%	87.2%	84.9%	80.3%	79.2%	77.1%	80.2%	83.0%
	2020	2024	0100	0000	0000	0/22	2022	0100	0000	0000	0/22	2022	010/
ADJUSTED EBITDA	2020	2021	Q122	Q222	Q322	Q422	2022	Q123	Q223	Q323	Q423	2023	Q124
Net Ioss, GAAP	[78,994]	[143,032]	[42,616]	(37,101)	[36,793]	[34, 783]	[151,293]	[43,529]	[51,377]	[42,654]	(49,078)	[186,638]	[48,495]
Interest Expense	12,374	8,671	1,486	1,368	1,900	280	5,034	3,168	1,568	4,412	4,372	13,520	5,223
Loss on debt extinguisiment	1/5	(1 120)	-	- (16)	-	-	(716)	- 14	(50)	(117)	(124)	-	(60)
Depreciation	9 186	20 332	7 085	7 506	8 010	8 388	30 989	8 589	9 758	10 651	11 918	40.916	13 724
Amortization of intancible assets	1 763	6 424	2 230	2 186	2 802	2 961	10 179	3 103	3 925	4 094	4 101	15 223	4 161
Total EBITDA	(47,914)	(101,301)	(31,914)	(26,057)	(24,158)	(23,678)	(105,807)	(28,655)	(36,176)	(23,614)	(28,811)	(117,256)	(25,456)
+ Stock-based compensation	17,659	36,450	10,184	9,203	11,077	10,092	40,556	16,462	24,194	20,073	20,515	81,244	17,322
+ Purchase accounting adjustments on acquisitions	-	6,423	-	437	347	565	1,349	195	-	-	198	393	-
+ Litigation-related expenses	8,552	11,123	7,532	5,495	3,602	7,314	23,943	3,192	6,908	2,715	9,472	22,287	4,428
+ Transaction-related expenses	4,223	0,305	1 270	-	-	-	1 910	-	1,900	2/8	[65]	2,113	(11/)
+ Ather pop-recurring expenses	-	1,697	1,370	289	45	100	1,810	1 3/0	29	159	300	1 3/0	/68
Total Adjusted EBITDA	(17.480)	(39,243)	(12,708)	(10.633)	(9.087)	(5.601)	(38.029)	(7.282)	(3.145)	(419)	1.695	(9.151)	(3.035)
	(1,,	(33,2-13)	(12,,00)	(20,000)	(0,007)	(5,001)	(30,023)	(7,202)	(0,2-0)	()	2,000	(,)	(3,033)
Adjusted EBITDA as a % of Revenue	-12.1%	-16.1%	-17.9%	-12.6%	-10.1%	-5.3%	-10.8%	-6.7%	-2.7%	-0.4%	1.2%	-1.9%	-2.2%

SUPPLEMENTAL FINANCIAL INFORMATION

Access this file at https://investors.alphatecspine.com/quarterlyresults/default.aspx

CONSOLIDATED (\$000's)

INFORMED BY EOS	2020	2021	Q122	Q222	Q322	Q422	2022	Q123	Q223	Q323	Q423	2023	Q124
Revenue	144,861	243,212	70,933	84,151	89,839	105,944	350,867	109,110	116,920	118,262	137,970	482,262	138,477
Non-GAAP cost of sales	40,773	77,215	21,461	27,780	29,213	35,344	113,798	32,264	35,933	35,625	41,823	145,645	40,336
Non-GAAP gross profit	104,088	165,997	49,472	56,371	60,626	70,600	237,069	76,846	80,987	82,637	96,147	336,617	98,141
Non-GAAP Gross Margin	71.9%	68.3%	69.7%	67.0%	67.5%	66.6%	67.6%	70.4%	69.3%	69.9%	69.7%	69.8%	70.9%
1													
Operating expenses (Non-GAAP):													/
Research & development, Non-GAAP	16,671	27,959	8,750	9,234	10,458	10,575	39,017	11,943	13,091	13,210	13,130	51,374	13,697
Sales, general & administrative, Non-GAAP	114,083	197,613	60,515	65,276	67,265	74,014	267,070	80,774	80,799	80,497	93,240	335,310	101,203
Total operating expenses (Non-GAAP)	130,754	225,572	69,265	74,510	77,723	84,589	306,087	92,717	93,890	93,707	106,370	386,684	114,900
R&D as % of revenue	11.5%	11.5%	12.3%	11.0%	11.6%	10.0%	11.1%	10.9%	11.2%	11.2%	9.5%	10.7%	9.9%
SG&A as % of revenue	78.8%	81.3%	85.3%	77.6%	74.9%	69.9%	76.1%	74.0%	69.1%	68.1%	67.6%	69.5%	73.1%
Total OPEX as % of revenue	90.3%	92.7%	97.6%	88.5%	86.5%	79.8%	87.2%	84.9%	80.3%	79.2%	77.1%	80.2%	83.0%
Non-GAAP operating loss	(26,666)	(59,575)	(19,793)	(18,139)	(17,097)	(13,989)	(69,018)	(15,871)	(12,903)	(11,070)	(10,223)	(50,067)	(16,759)
Op loss as % of revenue	-18.4%	-24.5%	-27.9%	-21.6%	-19.0%	-13.2%	-19.7%	-14.5%	-11.0%	-9.4%	-7.4%	-10.4%	-12.1%
,													
Less: Depreciation	9,186	20,332	7,085	7,506	8,010	8,388	30,989	8,589	9,758	10,651	11,918	40,916	13,724
Adjusted EBITDA	(17,480)	(39,243)	(12,708)	(10,633)	(9,087)	(5,601)	(38,029)	(7,282)	(3,145)	(419)	1,695	(9,151)	(3,035)
Adj EBITDA as % of revenue	-12.1%	-16.1%	-17.9%	-12.6%	-10.1%	-5.3%	-10.8%	-6.7%	-2.7%	-0.4%	1.2%	-1.9%	-2.2%
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X[**C**] **REVENUE SUPPLEMENT**

Number of COS 2020 2021 Q122 Q122 Q122 Q123 Q223 Q233 Q424 2023 Q124 Revenue: 11,079 212,240 60,649 72,343 78,727 91,322 303,041 94,040 102,306 103,823 122,554 422,763 122,651 122,651 122,651 122,651 122,651 122,651 122,651 122,651 122,651 122,651 122,651 122,651 122,651 136,977 188,862 138,677 TOTAL REVENUE 144,965 243,212 70,933 84,151 89,839 105,944 350,857 109,110 116,920 118,262 137,970 482,262 138,677 TOTAL REVENUE 144,865 243,212 70,933 84,151 89,839 105,944 350,867 109,110 116,920 118,262 137,970 482,262 138,6477 TOTAL REVENUE 144,695 24,212 136,017 2,668 363 15 (319) (226) (27) (89)														
Revenues: Products and services - Surgical Products and services - Surgical	INFORMED BY EOS	2020	2021	Q122	Q222	Q322	Q422	2022	Q123	Q223	Q323	Q423	2023	Q124
Products and services - Surgical 141,079 212,240 60,649 72,343 78,727 91,322 303,041 94,040 102,305 103,823 122,594 422,763 122,617 Products and services - Surgical 141,079 242,258 70,918 84,151 89,839 105,944 350,852 109,110 116,820 118,262 137,970 482,262 138,477 Revenue from intl'supply agreement 37,820 482,252 70,933 84,151 89,839 105,944 350,867 109,110 116,920 118,262 137,970 482,262 138,477 Constant currency adjustments: - <	Revenues:													
Products and services - Imaging - 30.018 10.269 11.808 11.112 14.622 47.811 15.070 14.614 14.439 13.76 59.499 15.860 Revenue from Inti supply agreement 3.782 954 15 -	Products and services - Surgical	141,079	212,240	60,649	72,343	78,727	91,322	303,041	94,040	102,306	103,823	122,594	422,763	122,617
Revenue from products and services 141,079 242,258 70,918 84,151 89,839 105,944 350,852 109,110 116,920 118,622 137,970 482,262 138,477 TOTAL REVENUE 144,861 243,212 70,933 84,151 89,839 105,944 350,867 109,110 116,920 118,262 137,970 482,262 138,477 Constant currency adjustments: Products and services - Surgical - - - - - 17 (6) 4 422 57 15 Products and services - Surgical - <td< td=""><td>Products and services - Imaging</td><td>-</td><td>30,018</td><td>10,269</td><td>11,808</td><td>11,112</td><td>14,622</td><td>47,811</td><td>15,070</td><td>14,614</td><td>14,439</td><td>15,376</td><td>59,499</td><td>15,860</td></td<>	Products and services - Imaging	-	30,018	10,269	11,808	11,112	14,622	47,811	15,070	14,614	14,439	15,376	59,499	15,860
Revenue from Int'i supply agreement 3,782 954 15 - - 15 - <td>Revenue from products and services</td> <td>141,079</td> <td>242,258</td> <td>70,918</td> <td>84,151</td> <td>89,839</td> <td>105,944</td> <td>350,852</td> <td>109,110</td> <td>116,920</td> <td>118,262</td> <td>137,970</td> <td>482,262</td> <td>138,477</td>	Revenue from products and services	141,079	242,258	70,918	84,151	89,839	105,944	350,852	109,110	116,920	118,262	137,970	482,262	138,477
TOTAL REVENUE 144,861 243,212 70,933 84,151 89,839 105,944 350,867 109,110 116,920 118,262 137,970 482,262 138,477 Constant currency adjustments: Products and services - Surgical Revenue from products and services - Surgical Revenue from moducts and services - Surgical Revenue from Inft Supply agreement -	Revenue from Int'l supply agreement	3,782	954	15	-	-		15	-	-	-	-	-	-
Constant currency adjustments: Products and services - Surgical -	TOTAL REVENUE	144,861	243,212	70,933	84,151	89,839	105,944	350,867	109,110	116,920	118,262	137,970	482,262	138,477
Constant currency adjustments: Products and services - Surgical - - - - - - 17 (6) 4 42 57 15 Products and services - Surgical - - 292 618 746 1,012 2,668 363 15 (319) (226) (207) (88) Revenue from Intl supply agreement -														
Products and services - Surgical - - - - 17 (6) 4 42 57 15 Products and services - EOS - - 292 618 766 1,012 2,668 363 15 (13) (266) (207) (88) Revenue from Ind/supply agreement - <t< td=""><td>Constant currency adjustments:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Constant currency adjustments:													
Products and services - EOS - - 292 618 746 1,012 2,668 363 15 (119) (266) (207) (83) Revenue from products and services - - 293 615 807 1,012 2,668 380 9 (315) (224) (150) (73) Revenue from Int'supply agreement - - - 293 615 807 1,012 2,668 380 9 (315) (224) (150) (73) Revenue from Int'supply agreement -	Products and services - Surgical	-	-	-	-	-	-	-	17	(6)	4	42	57	15
Revenue from products and services - - 293 615 807 1,012 2,668 380 9 (315) (224) (150) (73) Revenue from Int1supply agreement -	Products and services - EOS	-	-	292	618	746	1,012	2,668	363	15	(319)	(266)	(207)	(88)
Revenue from Intl'supply agreement - - - -	Revenue from products and services	-	-	293	615	807	1,012	2,668	380	9	(315)	(224)	(150)	(73)
TOTAL ADJUSTMENTS - - 293 615 807 1,012 2,668 380 9 (315) (224) (150) (73) Revenues at constant currency: Products and services - Surgical 141,079 212,240 60,649 72,343 78,727 91,322 303,041 94,087 102,827 122,656 422,820 122,658 122,625 118,88 15,610 14,629 14,129 15,110 59,292 127,772 91,322 303,041 146,629 14,179 137,746 482,112 138,404 Revenue from products and services - EOS 144,079 242,259 71,210 84,769 90,585 106,956 353,520 109,490 116,929 117,947 137,746 482,112 138,404 TOTAL REVENUE AT CONSTANT CURRENCY 144,864 243,213 71,225 84,769 90,585 106,956 353,535 109,490 116,929 117,947 137,746 482,112 138,404 YOY GROWTH % 2020 2021 Q122 Q222 Q422 <	Revenue from Int'l supply agreement	-	-	-	-	-		-	-	-	-	-	-	-
Revenues at constant currency: 141,079 212,240 60,649 72,343 78,727 91,322 303,041 94,087 102,300 103,827 122,636 422,820 122,632 Products and services - Surgical - 30,019 10,561 12,426 11,858 15,634 50,479 15,403 14,629 14,120 15,110 59,292 15,772 Revenue from products and services 131,079 242,259 71,210 84,769 90,585 106,956 353,520 109,490 116,929 117,947 137,746 482,112 138,404 TOTAL REVENUE AT CONSTANT CURRENCY 144,861 243,213 71,225 84,769 90,585 106,956 353,535 109,490 116,929 117,947 137,746 482,112 138,404 Products and services - Surgical 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.2% 39.5% 30.4% Products and services - Surgical 30.3% 71.7% 62.2%	TOTAL ADJUSTMENTS	-	-	293	615	807	1,012	2,668	380	9	(315)	(224)	(150)	(73)
Revenues at constant currency: Products and services - Surgical 141,079 212,240 60,649 72,343 78,727 91,322 303,041 94,087 102,300 103,827 122,636 422,820 122,632 <														
Products and services - Surgical 141,079 212,240 60,649 72,343 78,727 91,322 303,041 94,087 102,300 103,827 122,636 422,820 122,632 Products and services - EOS 30,019 10,561 12,426 11,858 15,634 50,479 15,403 14,629 14,120 15,110 59,292 15,772 Revenue from products and services 141,079 242,259 71,210 84,769 90,585 106,956 353,535 109,490 116,929 117,947 137,746 482,112 138,404 Revenue from Int'I supply agreement 3,782 924 71,225 84,769 90,585 106,956 353,535 109,490 116,929 117,947 137,746 482,112 138,404 YOY GROWTH % 2020 2021 Q122 Q222 Q422 2022 Q123 Q223 Q423 2023 Q124 Products and services - Surgical 30.3% 50.4% 36.7% 23.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.2% 39.5% 30.4%	Revenues at constant currency:													
Products and services - EOS - 30,019 10,561 12,426 11,858 15,634 50,479 15,403 14,629 14,120 15,110 59,292 15,772 Revenue from products and services 141,079 242,259 71,210 84,769 90,585 106,956 353,520 109,490 116,929 117,947 137,746 482,112 138,404 TOTAL REVENUE AT CONSTANT CURRENCY 144,861 243,213 71,225 84,769 90,585 106,956 353,535 109,490 116,929 117,947 137,746 482,112 138,404 YOY GROWTH % 2020 2021 Q122 Q222 Q322 Q422 2023 Q323 Q423 2023 Q124 Products and services - Surgical 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.2% 39.5% 30.4% 52.6% 49.3% 46.5% 23.8% 29.9% 5.2% 24.4% 5.2% Revenue from products and services - Surgical 30.3% 71.7% 62.2% 36.0% 43.2% 43.	Products and services - Surgical	141,079	212,240	60,649	72,343	78,727	91,322	303,041	94,087	102,300	103,827	122,636	422,820	122,632
Revenue from products and services 141,079 242,259 71,210 84,769 90,585 106,956 353,520 109,490 116,929 117,947 137,746 482,112 138,404 Revenue from Int'l supply agreement 3,782 954 15 -	Products and services - EOS	-	30,019	10,561	12,426	11,858	15,634	50,479	15,403	14,629	14,120	15,110	59,292	15,772
Revenue from Int'l supply agreement 3,782 954 15 - - 15 - - - 15 - - - - - 15 - </td <td>Revenue from products and services</td> <td>141,079</td> <td>242,259</td> <td>71,210</td> <td>84,769</td> <td>90,585</td> <td>106,956</td> <td>353,520</td> <td>109,490</td> <td>116,929</td> <td>117,947</td> <td>137,746</td> <td>482,112</td> <td>138,404</td>	Revenue from products and services	141,079	242,259	71,210	84,769	90,585	106,956	353,520	109,490	116,929	117,947	137,746	482,112	138,404
TOTAL REVENUE AT CONSTANT CURRENCY 144,861 243,213 71,225 84,769 90,585 106,956 353,535 109,490 116,929 117,947 137,746 482,112 138,404 YOY GROWTH % 2020 2021 Q122 Q222 Q322 Q422 2022 Q123 Q223 Q423 2023 Q124 Products and services - Surgical Products and services - Imaging 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.2% 39.5% 30.4% Products and services - Imaging 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 38.9% 31.6% 30.2% 37.5% 26.9% Revenue from products and services 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 38.9% 31.6% 30.2% 37.5% 26.9% TOTAL REVENUE 27.7% 67.9% 60.8% 35.2% 42.9% 43.2% 44.3%	Revenue from Int'l supply agreement	3,782	954	15	-	-		15	-	-	-	-	-	-
YOY GROWTH % 2020 2021 Q122 Q222 Q322 Q422 2022 Q123 Q223 Q423 Q43 Q443 Q43 Q43 Q443 Q443 Q43 Q443 Q444 Q444 </td <td>TOTAL REVENUE AT CONSTANT CURRENCY</td> <td>144,861</td> <td>243,213</td> <td>71,225</td> <td>84,769</td> <td>90,585</td> <td>106,956</td> <td>353,535</td> <td>109,490</td> <td>116,929</td> <td>117,947</td> <td>137,746</td> <td>482,112</td> <td>138,404</td>	TOTAL REVENUE AT CONSTANT CURRENCY	144,861	243,213	71,225	84,769	90,585	106,956	353,535	109,490	116,929	117,947	137,746	482,112	138,404
YOY GROWTH % 2020 2021 Q122 Q222 Q322 Q422 2022 Q123 Q223 Q323 Q423 2023 Q124 Products and services - Surgical 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.2% 39.5% 30.4% Products and services - Imaging 93.1% -0.2% 14.5% 59.3% 46.5% 23.8% 29.9% 5.2% 24.4% 5.2% Revenue from products and services 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 46.5% 23.8% 29.9% 5.2% 24.4% 5.2% Revenue from products and services 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 31.6% 30.2% 37.5% 26.9% TOTAL REVENUE 27.7% 67.9% 60.8% 35.2% 42.9% 43.2% 44.3% 53.8% 38.9% 31.6% 30.2% 37.4% 26.9%														
Products and services - Surgical 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.2% 39.5% 30.4% Products and services - Imaging 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 38.9% 31.6% 30.2% 37.5% 26.9% Revenue from products and services 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 38.9% 31.6% 30.2% 37.5% 26.9% Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -98.4% -100.0% 0.0% </td <td>YOY GROWTH %</td> <td>2020</td> <td>2021</td> <td>Q122</td> <td>Q222</td> <td>Q322</td> <td>Q422</td> <td>2022</td> <td>Q123</td> <td>Q223</td> <td>Q323</td> <td>Q423</td> <td>2023</td> <td>Q124</td>	YOY GROWTH %	2020	2021	Q122	Q222	Q322	Q422	2022	Q123	Q223	Q323	Q423	2023	Q124
Products and services - Imaging 93.1% -0.2% 14.5% 59.3% 46.5% 23.8% 29.9% 5.2% 24.4% 5.2% Revenue from products and services 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 38.9% 31.6% 30.2% 37.5% 26.9% Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -98.4% -100.0% 0.0%	Products and services - Surgical	30.3%	50.4%	38.7%	29.7%	52.6%	49.3%	42.8%	55.1%	41.4%	31.9%	34.2%	39.5%	30.4%
Revenue from products and services 30.3% 71.7% 62.2% 36.0% 43.2% 43.3% 44.8% 53.9% 38.9% 31.6% 30.2% 37.5% 26.9% Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -98.4% -100.0% 0.0%<	Products and services - Imaging				93.1%	-0.2%	14.5%	59.3%	46.5%	23.8%	29.9%	5.2%	24.4%	5.2%
Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -98.4% -100.0% 0.0%	Revenue from products and services	30.3%	71.7%	62.2%	36.0%	43.2%	43.3%	44.8%	53.9%	38.9%	31.6%	30.2%	37.5%	26.9%
TOTAL REVENUE 27.7% 67.9% 60.8% 35.2% 42.9% 43.2% 44.3% 53.8% 38.9% 31.6% 30.2% 37.4% 26.9% YOY growth % at constant currency: Products and services - Surgical 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.3% 39.5% 30.3% Products and services - E05 103.2% 6.5% 22.4% 68.2% 45.9% 17.7% 19.1% -3.4% 17.5% 2.4% Revenue from products and services and services 30.3% 71.7% 62.9% 37.0% 44.4% 44.7% 45.9% 53.8% 37.9% 30.2% 28.8% 36.4% 26.4% Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -30.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	Revenue from Int'l supply agreement	-27.1%	-74.8%	-96.3%	-100.0%	-100.0%	-100.0%	-98.4%	-100.0%	0.0%	0.0%	0.0%	-100.0%	0.0%
YOY growth % at constant currency: 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.3% 39.5% 30.3% Products and services - EOS 103.2% 6.5% 22.4% 68.2% 45.9% 17.7% 19.1% -3.4% 17.5% 2.4% Revenue from products and services 30.3% 71.7% 62.9% 37.0% 44.4% 44.7% 45.9% 53.8% 37.9% 30.2% 28.8% 36.4% 26.4% TOTAL REVENUE GROWTH % AT CONSTANT CURRE 27.7% 67.9% 61.4% 36.2% 44.1% 44.6% 45.4% 53.7% 37.9% 30.2% 28.8% 36.4% 26.4%	TOTAL REVENUE	27.7%	67.9%	60.8%	35.2%	42.9%	43.2%	44.3%	53.8%	38.9%	31.6%	30.2%	37.4%	26.9%
YOY growth % at constant currency: 30.3% 50.4% 38.7% 29.7% 52.6% 49.3% 42.8% 55.1% 41.4% 31.9% 34.3% 39.5% 30.3% Products and services - EOS 103.2% 6.5% 22.4% 68.2% 45.9% 17.7% 19.1% -3.4% 17.5% 2.4% Revenue from products and services 30.3% 71.7% 62.9% 37.0% 44.4% 44.7% 45.9% 55.1% 30.2% 28.8% 36.4% 26.4% Revenue from Int'I supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -88.4% 53.7% 37.9% 30.2% 28.8% 36.4% 26.4% TOTAL REVENUE GROWTH % AT CONSTANT CURRE 27.7% 67.9% 61.4% 36.2% 44.1% 44.6% 45.4% 53.7% 37.9% 30.2% 28.8% 36.4% 26.4%														
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Products and services - EOS 103.2% 6.5% 22.4% 68.2% 45.9% 17.7% 19.1% -3.4% 17.5% 2.4% Revenue from products and services 30.3% 71.7% 62.9% 37.0% 44.4% 44.7% 45.9% 53.8% 37.9% 30.2% 28.8% 36.4% 26.4% Revenue from Int'I supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -84.4% 44.6% 45.4% 53.7% 30.2% 28.8% 36.4% 26.4% TOTAL REVENUE GROWTH % AT CONSTANT CURRE 27.7% 67.9% 61.4% 36.2% 44.1% 44.6% 45.4% 53.7% 37.9% 30.2% 28.8% 36.4% 26.4%	Products and services - Surgical	30.3%	50.4%	38.7%	29.7%	52.6%	49.3%	42.8%	55.1%	41.4%	31.9%	34.3%	39.5%	30.3%
Revenue from products and services 30.3% 71.7% 62.9% 37.0% 44.4% 44.7% 45.9% 53.8% 37.9% 30.2% 28.8% 36.4% 26.4% Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -98.4% -100.0% 0.0% <td< td=""><td>Products and services - EOS</td><td></td><td></td><td></td><td>103.2%</td><td>6.5%</td><td>22.4%</td><td>68.2%</td><td>45.9%</td><td>17.7%</td><td>19.1%</td><td>-3.4%</td><td>17.5%</td><td>2.4%</td></td<>	Products and services - EOS				103.2%	6.5%	22.4%	68.2%	45.9%	17.7%	19.1%	-3.4%	17.5%	2.4%
Revenue from Int'l supply agreement -27.1% -74.8% -96.3% -100.0% -100.0% -98.4% -100.0% 0.0%	Revenue from products and services	30.3%	71.7%	62.9%	37.0%	44.4%	44.7%	45.9%	53.8%	37.9%	30.2%	28.8%	36.4%	26.4%
TOTAL REVENUE GROWTH % AT CONSTANT CURRE 27.7% 67.9% 61.4% 36.2% 44.1% 44.6% 45.4% 53.7% 37.9% 30.2% 28.8% 36.4% 26.4%	Revenue from Int'l supply agreement	-27.1%	-74.8%	-96.3%	-100.0%	-100.0%	-100.0%	-98.4%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	TOTAL REVENUE GROWTH % AT CONSTANT CURRE	27.7%	67.9%	61.4%	36.2%	44.1%	44.6%	45.4%	53.7%	37.9%	30.2%	28.8%	36.4%	26.4%

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SLIDE 31 – DURABILITY OF ORTHOPEDIC SURGERY

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DOES DATA SUPPORT THE "20-MINUTE RULE" IN LATERAL SURGERY?

SafeOp obviates the 20-minute rule with objective SSEP information

Evidence-Based Medicine: MD ASHISH dulu Does Data Support the "20-Minute Rule" in Lateral Lumbar Surgery? Ashish Patel, Michael R McDermott, Gregory M Mundis, Jr, Robert K Fastlack, Aaron J Buckland, Cristiano M Menezes, Matthew L Miller, Chester J Tyson and J Alex T ntroduction Results 658 total patients were included in the study. Lateral lumbar interbody fusions (LLIF) is a treatment option for the correction of lumbar ACR degenerative pathologies that uses a retroperitoneal, transpsoas corridor to the disc The average retractor time for the cohort was 17.5 ± 8.0 minutes. Gender The cohort demonstrated an overall injury rate of 1.8% (12/658). P-2.44 space BM · Four of these injuries occurred at L3-4, and eight occurred at the L4-5 level · While attractive, LLIF is not without potential complications, as recent studies have Nor Lumber Surgery · There was no difference in average retractor time for non-injured vs injured patients shown a permanent injury rate of 2.8% of cases. Postering · Conventional teaching of the LLIF technique has been to perform the procedure 'as 17.5 ± 8.0 min vs 19.6 ± 11.2 minutes, p = 0.367, figure 1) Access Side · Analysis of the "20-minute" rule for LLIF revealed a sensitivity of 50% and a specificity of Construct involves L3efficiently as possible', with many surgeons quoting a goal of keeping the total retractor estruct involves L4-79.9%, and a positive predictive value of 5.6%. time to less than 20 minutes. Number of LU There were 168 patients with retractor times > 20 minutes and six injuries, yielding a Total Level The primary purpose of this study is to evaluate the relationship false nositive rate of 94.8% between retractor time and post-operative guadriceps motor injuries · Univariate analysis of injured patients revealed no significant relationships (figure 2) 6.5 15 2 25 Neuromonitoring alerts occurred in 6/12 injuries and corresponded with the technical lethods steps of the procedure **Cohort Characteristics** · A multicenter, retrospective cohort of Total Patients patients who underwent an LLIF Age (years) 67.0 ± 10.5 35 P = 0.367 BMI (kg/m2) 29.4 ± 5.0 containing levels L2-5 was established. 381 (57.9%) Female 30 time was recorded and Total Levels 1064 LLIF Between L2-5 874 Rº = 0.8906 compared to postoperative motor exams 50% 25 Single LLIF Cases 402 (61.1%) for its relationship to motor injury 12-3 121 (18.4%) 븝 L3-4 288 (43.8%) 20 Quadriceps motor palsy was defined as L4-5 472 (71.7%) actor a postoperative quadriceps strength of LLIF Technique 15 Traditional LLIF 133 (20.2%) 3/5 or less on the Medical Research Retra SP Lateral 290 (44.1%) >20 >25 >30 >35 >15 10 Retractor Time (min) SP Prone 235 (35.7%) Council Scale Figure 3: Sensitivity of the "20-minute" rule at alternative thresholds Left Access 369 (56.1%) · Neuromonitoring was examined in Diagnosis 5 Conclusions Spondylolisthesis 379 (57.6%) injured patients to assess when the injury 92 (14.0%) Scoliosis occurred 75 (11.4%) Stenosis

Injured Non-Injured Figure 1: Retractor times of non-injured vs injured patients.

Disc Disease

Other Table 1: Cohort characteristics

61 (9.3%)

51 (7.8%)



Retractor time is not the primary driver of injuries and limiting retractor time is a poor predictor of post-operative quadriceps motor injury

The authors agree that attention to careful docking and careful technique should take precedence over limiting retractor time.

"Retractor time is not the primary driver of injuries and limiting retractor time is a poor predictor of post-operative quadriceps motor injury."

