UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Form 8-K

Current Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 7, 2023

AXOGEN, INC.

(Exact Name of Registrant as Specified in Charter)

Minnesota (State or Other Jurisdiction of Incorporation or Organization)

001-36046 (Commission File Number)

41-1301878 (I.R.S. Employer Identification No.)

13631 Progress Boulevard, Suite 400 Alachua, Florida (Address of principal executive offices)

32615 (Zip Code)

(386) 462-6800

(Registrant's telephone number, including area code)

N/A

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

Π Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Ο Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Ο Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Ο Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of exchange on which registered
Common Stock, \$0.01 par value	AXGN	The Nasdaq Stock Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company []

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 2.02 Results of Operations and Financial Condition

On November 7, 2023, Axogen, Inc. (the "Company") issued a press release announcing its three and nine months ended September 30, 2023 financial results. A copy of the press release is furnished as Exhibit 99.1.

The information furnished pursuant to Item 2.02 of this Current Report on Form 8-K, including Exhibit 99.1 hereto, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liability of such section, nor shall it be incorporated by reference into future filings by the Company under the Securities Act of 1933, as amended (the "Securities Act"), or under the Exchange Act, unless the Company expressly sets forth in such future filing that such information is to be considered "filed" or incorporated by reference therein.

Item 7.01 Regulation FD Disclosure

On November 7, 2023, the Company also posted an updated corporate presentation to its website at https://ir.axogeninc.com/news-events. The Company may use the investor presentation from time to time in conversation with analysts, investors, and others. A copy of the investor update is furnished as Exhibit 99.2.

The information in the Item 7.01, including Exhibit 99.2, is being furnished and shall not be deemed to be "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liabilities of that section and shall not be deemed incorporated by reference into any filing under the Securities Act or Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits

<u>Exhibit No.</u>	Description
99.1	Press Release, dated November 7, 2023
99.2	Axogen, Inc. Corporate Presentation, dated November 7, 2023
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Exchange Act, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AXOGEN, INC.

Dated: November 7, 2023

By: /s/ Marc Began

Marc Began

Executive Vice President, General Counsel and Chief Compliance Officer



Axogen, Inc Reports 2023 Third Quarter Financial Results

ALACHUA and TAMPA, FL – November 7, 2023 – Axogen, Inc. (NASDAQ: AXGN), a global leader in developing and marketing innovative surgical solutions for peripheral nerve injuries, today reported financial results and business highlights for the third quarter ended September 30, 2023.

Third Quarter Financial Results

- Revenue was \$41.3 million during the third quarter, an increase of approximately 12% over the third quarter of 2022.
- The Company estimates that revenues from emergent trauma procedures represented approximately half of total revenues during the third quarter and grew in the mid-single digit range versus the third quarter of 2022.
- The Company estimates that revenues from scheduled non-trauma procedures represented approximately half of total revenues during the third quarter and grew approximately 20% from the third quarter of 2022.
- Gross margin was 80.5% for the quarter, compared to 83.3% in the third quarter of 2022.
- Net loss of \$4.1 million, or \$0.10 per share, compared to net loss of \$4.3 million, or \$0.10 per share in the third quarter of 2022.
- Adjusted net income of \$0.7 million or \$0.01 per share, compared to adjusted net loss of \$0.4 million, or \$0.01 per share, in the third quarter of 2022.
- Adjusted EBITDA of \$2.4 million, compared to adjusted EBITDA of \$0.4 million in the third quarter of 2022.
- The balance of all cash and cash equivalents and investments on September 30, 2023, was \$38.6 million, compared to \$40.8 million on June 30, 2023. The net change of \$2.2 million includes interest and other charges capitalized into the Company's new processing facility.

"We are pleased with our performance in the quarter, which includes improvement in our emergent trauma category as well as continued strength in scheduled procedures. This performance was driven by stabilization in the hospital operating environment, and improved commercial execution," stated Karen Zaderej, Axogen's Chairman, CEO, and President. "We remain focused on executing our strategic initiatives anchored in the strength of our clinical data, innovation, market development, and commercial execution to continue to drive surgeon adoption and growth."

Operational and Business Highlights

- In August, the Company began processing tissue in the new, state-of-the-art APC facility, which provides for up to 3 times current capacity and was designed for long-term growth and expansion.
- The Company is continuing to expand its offering in the nerve protection market with the national launch of Axoguard HA+ Nerve Protector™ in August, and expects to launch Avive+ Soft Tissue Matrix™ in Q1 2024.
- The Company continues to anticipate a Pre-BLA meeting with the FDA in early first quarter 2024 where it will request utilization of a rolling submission process for the Biologics License Application (BLA) for Avance[®] nerve graft which would begin later in the first quarter. The Company anticipates completing the submission in the second quarter of 2024 and believes this process will support BLA approval in the first half of 2025.
- The Company has exceeded its initial goal of training 20 additional surgical teams on techniques in implant-based Resensation[®] and now expects to have more than 30 teams trained by the end of this year.
- Core Accounts totaled 372, an increase of 12% over prior-year level of 331, and an increase of 7% sequentially. Revenue from Core
 Accounts now represent approximately 65% of revenue, up from approximately 60% in prior quarters.
- Active Accounts totaled 1016, an increase of 7% over prior-year level of 952, and an increase of 4% sequentially.
- Ended the quarter with over 200 peer-reviewed clinical publications featuring Axogen's nerve repair product portfolio.
- Ended the quarter with 116 direct sales representatives compared to 115 on June 30, 2023, and 111 a year ago.

2023 Financial Guidance

Management is maintaining full-year 2023 revenue guidance in the range of \$154 million to \$159 million, which represents annual growth of 11% - 15%. The Company anticipates that gross margin will be reduced with the continued transition to the new processing facility in the fourth quarter and continues to expect that gross margin for the full year 2023 will be approximately 80%.

Axoguard HA+ Nerve Protector Launch

In August 2023, the Company completed the full market release of Axoguard HA+ Nerve Protector[™], an extension of its nerve protection platform. Axoguard HA+ Nerve Protector is a proprietary nerve protection device designed to provide short- and long-term protection for peripheral nerve injuries. The device is comprised of a processed porcine submucosa extracellular matrix (ECM) base layer with a hyaluronate-alginate gel coating. The gel layer facilitates enhanced nerve gliding to aid in minimizing soft tissue attachments, while the base layer is remodeled into a long-term protective tissue layer. It is available in a variety of sizes to meet patients' and surgeons' needs.

Conference Call

The Company will host a conference call and webcast for the investment community today at 8:00 a.m.ET. Investors interested in participating in the conference call by phone may do so by dialing toll free at (877) 407-0993 or using the direct dial-in number at (201) 689-8795. Those interested in listening to the conference call live via the Internet may do so by visiting the Investors page of the Company's website at www.axogeninc.com and clicking on the webcast link.

Following the conference call, a replay will be available in the Investors section of the Company's website atwww.axogeninc.com under Investors.

About Avance Nerve Graft

Avance nerve graft is a biologically active off-the-shelf processed human nerve allograft for bridging severed peripheral nerves without the comorbidities associated with a second surgical site. Avance provides structural guidance for regenerating axons, and revascularizes and remodels into the patient's own tissue. It is available in a variety of lengths and diameters.

A 2010 written agreement between the FDA and Axogen allows the company to continue marketing Avance as a section 361 Human Cells, Tissues and Cellular and Tissue Based Product (HCT/P) while taking the necessary steps to file a Biologics License Application (BLA) under section 351.

In 2018 the FDA granted a Regenerative Medicine Advance Therapy (RMAT) designation for Avance nerve graft. A regenerative medicine therapy is eligible for the designation if it is intended to treat, modify, reverse, or cure a serious or life-threatening disease or condition, and preliminary clinical evidence indicates that the product has the potential to address unmet medical needs for such a disease or condition. The RMAT designation provides access to a streamlined approval process for regenerative medicine technologies and ensures continued informal meetings with the FDA in support of the BLA for Avance nerve graft.

About Axogen

Axogen (AXGN) is the leading Company focused specifically on the science, development, and commercialization of technologies for peripheral nerve regeneration and repair. Axogen employees are passionate about helping to restore peripheral nerve function and quality of life to patients with physical damage or transection to peripheral nerves by providing innovative, clinically proven, and economically effective repair solutions for surgeons and health care providers. Peripheral nerves provide the pathways for both motor and sensory signals throughout the body. Every day, people suffer traumatic injuries or undergo surgical procedures that impact the function of their peripheral nerves. Physical damage to a peripheral nerve, or the inability to properly reconnect peripheral nerves, can result in the loss of muscle or organ function, the loss of sensory feeling, or the initiation of pain.

Axogen's platform for peripheral nerve repair features a comprehensive portfolio of products that are used across two primary application categories: scheduled, non-trauma procedures and emergent trauma procedures. Scheduled procedures are generally characterized as those where a patient is seeking relief from conditions caused by a nerve defect or surgical procedure. These procedures include providing sensation for women seeking breast reconstruction following a mastectomy, nerve reconstruction following the surgical removal of painful neuromas, oral and maxillofacial procedures, and nerve decompression. Emergent procedures are generally characterized as procedures resulting from injuries that initially present in an ER. These procedures are typically referred to and completed by a specialist either immediately or within a few days following the initial injury.

Axogen's product portfolio includes Avance[®] nerve graft, a biologically active off-the-shelf processed human nerve allograft for bridging severed peripheral nerves without the comorbidities associated with a second surgical site; Axoguard Nerve Connector[®], a porcine submucosa ECM coaptation aid for tensionless repair of severed peripheral nerves; Axoguard Nerve Protector[®], a porcine submucosa ECM product used to wrap and protect damaged peripheral nerves and reinforce the nerve reconstruction while preventing soft tissue attachments; Axoguard HA+ Nerve Protector[™], a porcine submucosa ECM base layer coated with a proprietary hyaluronate-alginate gel, a next-generation technology designed to provide short- and long-term protection for peripheral nerve injuries; and Axoguard Nerve Cap[®], a porcine submucosa ECM product used to protect a peripheral nerve end and separate the nerve from the surrounding environment to reduce the development of symptomatic or painful neuroma. The Axogen portfolio of products is available in the United States, Canada, Germany, the United Kingdom, Spain, South Korea, and several other countries.

Cautionary Statements Concerning Forward-Looking Statements

This press release contains "forward-looking" statements as defined in the Private Securities Litigation Reform Act of 1995. These statements are based on management's current expectations or predictions of future conditions, events, or results based on various assumptions and management's estimates of trends and economic factors in the markets in which we are active, as well as our business plans. Words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," "estimates," "projects," "forecasts," "continue," "may," "should," "will," "goals," and variations of such words and similar expressions are intended to identify such forward-looking statements. Forward-looking statements include statement on benefits and market opportunities, our ability to submit the BLA on a rolling basis, timing of the submission and approval of the BLA, development and market launch timetable for Avive+, as well as statements under the subheading "2023 Financial Guidance." Actual results or events could differ materially from those described in any forward-looking statements as a result of various factors, including, without limitation, statements related to the continued impact of COVID-19, global supply chain issues, record inflation, hospital staffing issues, product development, product potential, expected clinical enrollment timing and outcomes, regulatory process and approvals, APC transition timing and expense, financial performance, sales growth, surgeon and product adoption, market awareness of our products, data validation, our visibility at and sponsorship of conferences and educational events, global business disruption caused by Russia's invasion of Ukraine and related sanctions, as well as those risk factors described under Part I, Item 1A., "Risk Factors," of our Annual Report on Form 10-K for the most recently ended fiscal year and Part II, Item 1A., "Risk Factors," for our Quarterly Report on Form 10-Q for the most recently ended fiscal quarter. Forward-looking statements are not a guarantee of future performance, and actual results may differ materially from those projected. The forward-looking statements are representative only as of the date they are made and, except as required by applicable law, we assume no responsibility to publicly update or revise any forward-looking statements.

About Non-GAAP Financial Measures

To supplement our consolidated financial statements, we use the non-GAAP financial measures of EBITDA, which measures earnings before interest, income taxes, and depreciation and amortization, and Adjusted EBITDA which further excludes non-cash stock compensation expense and litigation and related expenses. We also use the non-GAAP financial measures of Adjusted Net Loss and Adjusted Net Loss Per Common Share - basic and diluted which excludes non-cash stock compensation expense and litigation and related expenses from Net Loss and Net Loss Per Common Share - basic and diluted, respectively. These non-GAAP measures are not based on any comprehensive set of accounting rules or principles and should not be considered a substitute for, or superior to, financial

measures calculated in accordance with GAAP, and may be different from non-GAAP measures used by other companies. In addition, these non-GAAP measures should be read in conjunction with our financial statements prepared in accordance with GAAP. The reconciliations of the non-GAAP measures to the most directly comparable financial measures calculated and presented in accordance with GAAP should be carefully evaluated.

We use these non-GAAP financial measures for financial and operational decision-making and as a means to evaluate period-to-period comparisons. We believe that these non-GAAP financial measures provide meaningful supplemental information regarding our performance and that both management and investors benefit from referring to these non-GAAP financial measures in assessing our performance and when planning, forecasting, and analyzing future periods. We believe these non-GAAP financial measures are useful to investors because (1) they allow for greater transparency with respect to key metrics used by management in its financial and operational decision-making and (2) they are used by our institutional investors and the analyst community to help them analyze the performance of our business, the Company's cash available for operations, and the Company's ability to meet future capital expenditure and working capital requirements.

Contact: Axogen, Inc. InvestorRelations@axogeninc.com

Axogen, Inc. Condensed Consolidated Balance Sheets (unaudited) (In thousands, except share and per share amounts)

	Sej	ptember 30, 2023	D	ecember 31, 2022
Assets				
Current assets:				
Cash and cash equivalents	\$	31,094	\$	15,284
Restricted cash		6,002		6,251
Investments		1,494		33,505
Accounts receivable, net of allowance for doubtful accounts of \$319 and \$650, respectively		23,263		22,186
Inventory		23,019		18,905
Prepaid expenses and other		2,567		1,944
Total current assets		87,439		98,075
Property and equipment, net		89,030		79,294
Operating lease right-of-use assets		13,873		14,369
Intangible assets, net		4,288		3,649
Total assets	\$	194,630	\$	195,387
Liabilities and shareholders' equity				
Current liabilities:				
Accounts payable and accrued expenses	\$	25,550	\$	22,443
Current maturities of long-term lease obligations		1,096		1,310
Total current liabilities		26,646		23,753
Long-term debt, net of debt discount and financing fees		46,378		45,712
Long-term lease obligations		19,927		20,405
Debt derivative liabilities		3,869		4,518
Total liabilities		96,820		94,388
Commitments and contingencies - see Note 12				
Shareholders' equity:				
Common stock, \$0.01 par value per share; 100,000,000 shares authorized; 43,039,399 and 42,445,517 shares issued and outstanding		430		424
Additional paid-in capital		374,783		360,155
Accumulated deficit		(277,403)		(259,580
Total shareholders' equity		97,810		100,999
Total liabilities and shareholders' equity	\$	194,630	\$	195,387

Axogen, Inc. Condensed Consolidated Statements of Operations (unaudited) (In thousands, except share and per share amounts)

	Three Months Ended				Nine Months Ended			
	Se	ptember 30, 2023		ember 30, 2022	S	eptember 30, 2023		September 30, 2022
Revenues	\$	41,271	\$	36,959	\$	116,090	\$	102,420
Cost of goods sold		8,043		6,176		21,980		18,006
Gross profit		33,228		30,783		94,110		84,414
Costs and expenses:								
Sales and marketing		21,429		19,792		63,885		60,349
Research and development		6,989		7,050		21,032		20,347
General and administrative		8,835		8,796		27,461		27,817
Total costs and expenses		37,253		35,638		112,378		108,513
Loss from operations		(4,025)		(4,855)	\$	(18,268)		(24,099)
Other income (expense):								
Investment income (loss)		367		186		1,151		172
Interest expense		(827)		(61)		(992)		(664)
Change in fair value of derivatives		402		469		649		1,155
Other expense		(6)		(57)		(363)		(97)
Total other (expense) income, net		(64)		537		445		566
Net loss	\$	(4,089)	\$	(4,318)	\$	(17,823)	\$	(23,533)
Weighted average common shares outstanding - basic and diluted		43,022,328		42,220,519		42,821,284		42,008,013
Loss per common share — basic and diluted	\$	(0.10)	\$	(0.10)	\$	(0.42)	\$	(0.56)

Axogen, Inc. RECONCILIATION OF GAAP FINANCIAL MEASURES TO NON-GAAP FINANCIAL MEASURES (unaudited) (In thousands, except share and per share amounts)

	Three Months Ended			Nine Months Ended			
	Sept	ember 30, 2023	September 30, 2022	Sep	tember 30, 2023	Se	ptember 30, 2022
Net loss	\$	(4.090)	¢ (4.210)	¢	(17.922)	¢	(22,522)
	\$	(4,089)	\$ (4,318) 830	\$	(17,823)	\$	(23,533)
Depreciation and amortization expense		1,224			2,874		2,380
Investment income		(367)	(186)		(1,151)		(172)
Income tax expense		12	31		331		64
Interest expense	-	827	61	_	992	-	664
EBITDA - non GAAP	\$	(2,393)	\$ (3,582)	\$	(14,777)	\$	(20,597)
Non cash stock-based compensation expense	\$	4,747	\$ 3,849	\$	13,091	\$	11,437
Litigation and related costs		—	101		_		584
Adjusted EBITDA (loss) - non GAAP	\$	2,354	\$ 368	\$	(1,686)	\$	(8,576)
Net loss	\$	(4,089)	\$ (4,318)	\$	(17,823)	\$	(23,533)
Non cash stock-based compensation expense		4,747	3,849		13,091		11,437
Litigation and related costs		_	101		_		584
Adjusted net income (loss) - non GAAP	\$	658	\$ (368)	\$	(4,732)	\$	(11,512)
						_	
Weighted average common shares outstanding — basic and diluted		43,022,328	42,220,519		42,821,284		42,008,013
Loss per common share — basic and diluted	\$	(0.10)	\$ (0.10)	\$	(0.42)	\$	(0.56)
Non cash stock-based compensation expense	\$	0.11	\$ 0.09	\$	0.31	\$	0.27
Litigation and related costs	\$	—	\$	\$	_	\$	0.01
Adjusted net income (loss) per common share — basic and diluted - non GAAP	\$	0.01	\$ (0.01)	\$	(0.11)	\$	(0.28)
				_		_	

Axogen, Inc. Condensed Consolidated Statements of Changes in Shareholders' Equity (unaudited) (In thousands, except share amounts)

	Common Stock		Additional Paid-in		Accumulated		т	Total Shareholders'	
	Shares		Amount	Capital		Deficit		-	Equity
Three Months Ended September 30, 2023				_					
Balance at June 30, 2023	42,979,541	\$	430	\$	370,036	\$	(273,314)		97,152
Net loss	—		—		—		(4,089)		(4,089)
Stock-based compensation	—		—		4,747		—		4,747
Issuance of restricted and performance stock units	59,858		—		_		_		—
Exercise of stock options and employee stock purchase plan					_		_	_	
Balance at September 30, 2023	43,039,399	\$	430	\$	374,783	\$	(277,403)		97,810
Nine Months Ended September 30, 2023									
Balance at December 31, 2022	42,445,517	\$	424	\$	360,155	\$	(259,580)	\$	100,999
Net loss	—		—		—		(17,823)		(17,823)
Stock-based compensation	—		—		13,091		—		13,091
Issuance of restricted and performance stock units	356,236		4		(4)		—		—
Exercise of stock options and employee stock purchase plan	237,646		2		1,541		_		1,543
Balance at September 30, 2023	43,039,399	\$	430		374,783	\$	(277,403)	\$	97,810
Three Months Ended September 30, 2022									
Balance at June 30, 2022	42,134,504	\$	420	\$	351,117	\$	(249,847)		101,690
Net loss	—		—		—		(4,318)		(4,318)
Stock-based compensation	—		—		3,849		—		3,849
Issuance of restricted and performance stock units	55,934		1		(1)		—		—
Exercise of stock options and employee stock purchase plan	81,785		2		222		_		224
Balance at September 30, 2022	42,272,223	\$	423	\$	355,187	\$	(254,165)	\$	101,445
Nine Months Ended September 30, 2022									
Balance at December 31, 2021	41,736,950	\$	417	\$	342,765	\$	(230,632)	\$	112,550
Net loss	_		_		—		(23,533)		(23,533)
Stock-based compensation	_		_		11,437		_		11,437
Issuance of restricted and performance stock units	315,275		3		(3)		_		_
Exercise of stock options and employee stock purchase plan	219,998		3		988		_		991
Balance at September 30, 2022	42,272,223	\$	423	\$	355,187	\$	(254,165)	\$	101,445

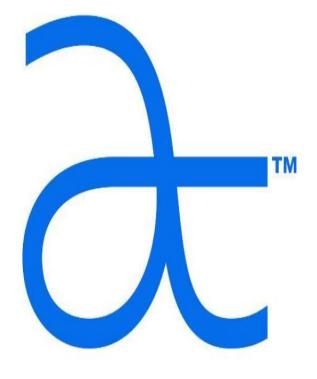
Axogen, Inc. Condensed Consolidated Statements of Cash Flows (unaudited) (InThousands)

(In I housands)	Nine M	Ionths Ended
	September 30, 2023	September 30, 2022
Cash flows from operating activities:		
Net loss	\$ (17,823	i) \$ (23,533)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation	2,660	2,182
Amortization of right-of-use assets	820	5 1,303
Amortization of intangible assets	214	198
Amortization of debt discount and deferred financing fees	660	667
Provision for bad debt	(31	566
Provision for inventory write-down	1,84	1,381
Change in fair value of derivatives	(64	0) (1,155)
Change in investment gains or losses	(660)) 44
Stock-based compensation	13,09	11,437
Change in operating assets and liabilities:		
Accounts receivable	(760	6) (3,695)
Inventory	(5,955	5) (3,804)
Prepaid expenses and other	(62)	3) (828
Accounts payable and accrued expenses	3,012	2 (870
Operating lease obligations	(1,012	2) (1,320)
Cash paid for interest portion of finance leases	(-	2) (1
Contract and other liabilities	(14	·) —
Net cash used in operating activities	(5,50)	5) (17,428)
Cash flows from investing activities:		
Purchase of property and equipment	(12,409	0) (13,456)
Purchase of investments	(10,203	(24,607)
Proceeds from sale of investments	42,874	4 37,100
Cash payments for intangible assets	(73)	2) (1,028
Net cash from (used in) investing activities	19,530) (1,991
Cash flows from financing activities:		
Cash paid for debt portion of finance leases	(*	7) (9)
Proceeds from exercise of stock options and ESPP stock purchases	1,54	990
Net cash provided by financing activities	1,530	5 981
Net increase (decrease) in cash, cash equivalents, and restricted cash	15,56	(18,438)
Cash, cash equivalents, and restricted cash, beginning of period	21,53:	5 39,007
Cash, cash equivalents, and restricted cash, end of period	\$ 37,090	5 \$ 20,569
Supplemental disclosures of cash flow activity:		
Cash paid for interest, net of capitalized interest	\$ 32:	5 \$ <u> </u>
Supplemental disclosure of non-cash investing and financing activities:		
Acquisition of fixed assets in accounts payable and accrued expenses	\$ 85	3 \$ 2,090
Obtaining of property and equipment in exchange for a lease liability	\$	- \$ 22
Obtaining a right-of-use asset in exchange for a lease liability	\$ 360	5 \$ 920
Acquisition of intangible assets in accounts payable and accrued expenses	\$ 420) \$ 177

Corporate presentation

November 7, 2023

nasdaq: axgn





Safe harbor statement

This presentation contains "forward-looking" statements as defined in the Private Securities Litigation Reform Act of 1995. These statements are based on management's current expectations or predictions of future conditions, events, or results based on various assumptions and management's estimates of trends and economic factors in the markets in which we are active, as well as our business plans. Words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," "estimates," "projects," "forecasts," "continue," "may," "should," "will," "goals," and variations of such words and similar expressions are intended to identify such forward-looking statements. Forward-looking statements include (1) the TAM for the targeted nerve markets, (2) 2023 financial guidance, including revenue range and gross margins, (3) growth drivers for the business, (4) expectation that RECONSM study topline results will support our BLA filing in the first half of 2024, (5) timing of filing of the BLA and our ability to utilize a rolling submission, (6) timing of transition of the APC facility and APC future capacity, and (7) opportunities in the peripheral nerve repair market. Actual results or events could differ materially from those described in any forward-looking statements as a result of various factors, including, without limitation, statements

A axogen.

revolutionizing the science of nerve repair®

related to the continued impact of COVID-19, global supply chain issues, record inflation, hospital staffing issues, product development, product potential, expected clinical enrollment timing and outcomes, regulatory process and approvals, APC renovation timing and expense, financial performance, sales growth, surgeon and product adoption, market awareness of our products, data validation, our visibility at and sponsorship of conferences and educational events, global business disruption caused by Russia's invasion of Ukraine and related sanctions, as well as those risk factors described under Part I, Item 1A., "Risk Factors," of our Annual Report on Form 10-K for the most recently ended fiscal year and Part II, Item 1A., "Risk Factors," for our Quarterly Report on Form 10-Q for the most recently ended fiscal quarter. Forward-looking statements are not a guarantee of future performance, and actual results may differ materially from those projected. The forward-looking statements are representative only as of the date they are made and, except as required by applicable law, we assume no responsibility to publicly update or revise any forward-looking statements.



- Exclusively focused on peripheral nerve repair with a differentiated platform
- 10+ years of demonstrated clinical outcome consistency
- Over 200 peer-reviewed clinical publications

- Over 75,000 Avance® nerve grafts implanted
- Significant barriers to competitive entry
- 116 U.S. sales reps
- Patient activation and surgeon education capabilities



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3

The function of nerves and injury types

Nerves are like wires



- Transfer signals across a network
- · If cut, data cannot be transferred
- · If crushed, short circuits and data corruption may occur

The peripheral nervous system is a vast network from every organ to and from the brain

- Sensory
- Motor
- Mixed





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Nerves can be injured in three ways:

1. Transection

Traumatic nerve injuries e.g., motor vehicle accidents, power tool accidents, battlefield injuries, gunshot wounds, surgical injuries, neuroma-incontinuity

- 2. Compression Carpal, cubital, tarsal tunnel revisions, blunt trauma, previous surgeries
- 3. Stump Neuroma Amputations, mastectomies, previous surgeries

A comprehensive platform for addressing nerve injuries

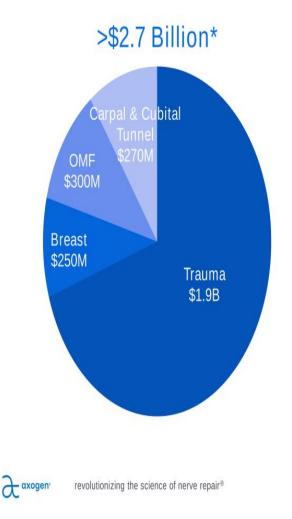
one company for all your surgical nerve repair solutions





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Targeted nerve markets (U.S.)



U.S. potential procedural estimates >900,000**

- Trauma: > 700,000
- Carpal Tunnel Revisions & Cubital Tunnel: 130,000
- Oral Maxillofacial (OMF): 56,000
- Breast Neurotization Procedures: 15,000

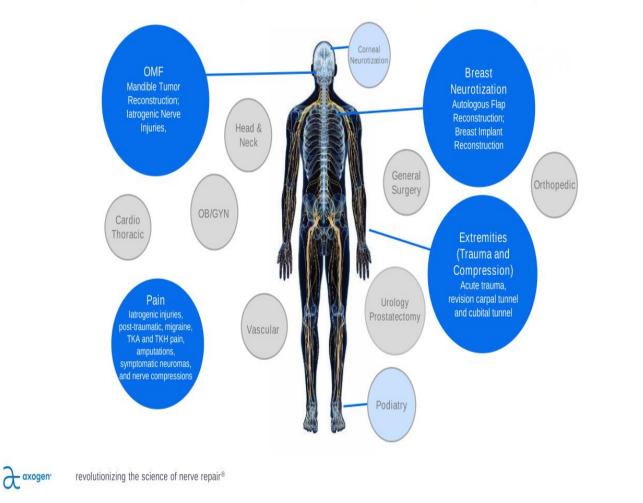
*\$2.7B estimate does not include pain market

**Referenced papers were used to derive specific assumptions in the procedure potential estimates. Papers used include both U.S. and OUS databases and studies. See Appendix for data sources.



Opportunities in nerve repair

Core business anchored in Trauma and Upper Extremity, and expanded to Breast, OMF and Pain. Further Market Expansion in Corneal Neurotization and Podiatry.



7

Applications for our products include two primary categories

Emergent Trauma Procedure Examples	Scheduled Procedure Examples
Transected sensory nerves	Breast reconstruction
Transected mixed/motor nerves	Mandibular reconstruction
Non-transected nerve	Neuroma repair
t revolutionizing the science of nerve repair®	Cubital and carpal tunnel revisions

8

Emergent trauma cases generally result from injuries that initially present in an ER

Emergent Procedures:

- Significant number of nerve injuries typically referred to and completed by a specialist either immediately or within a few days following the injury with limited post op follow-up evaluations
- Emergent and diverse nature of injuries result in variable patient pathways from ER to nerve repair specialist and diverse repair algorithms
- Specialist surgeons typically perform nerve repair as a minor portion of their overall practice
- Opportunity to drive care pathways with surgeon education supported by clinical and economic data
- Opportunity to shift site of care for routine traumatic injuries to more cost-efficient settings (ASC)



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Emergent Trauma Procedure Examples





Transected sensory nerves

Digital nerve injury after sharp lacerations e.g., a knife slipping when cutting an avocado, glass injuries

Transected mixed/motor nerves

More complex trauma injuries e.g., circular saw injury to hand and wrist resulting in ulnar and median nerve damage

Non-transected nerve injury

Trauma induced compression and stretch injuries e.g., peroneal nerve compression at the fibular head after knee dislocation, shoulder trauma causing stretching of the brachial plexus

Scheduled procedures involve a patient seeking relief of a condition caused by a nerve defect or surgical procedure

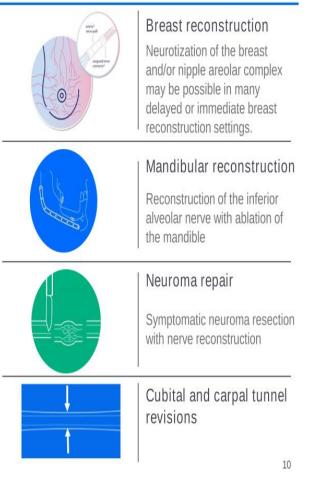
Scheduled Procedures:

- Patients seeking a scheduled procedure weeks or months in advance allows patients to advocate for solutions that may improve quality of life outcomes
- Procedures lend themselves to standardized surgical techniques and more consistent repair algorithms, and extended follow-up evaluations
- Completed in specialist centers on regular intervals, typically in existing core accounts
- Concentrated group of surgeon specialists allow for more focused surgeon training and adoption
- Typically involve a higher value of Axogen products per procedure



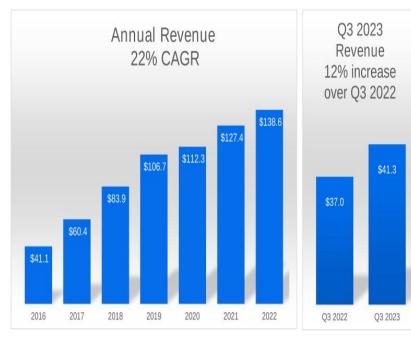
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Scheduled Procedure Examples



Delivering strong revenue growth and gross margins

U.S. \$ in millions



^{80.5%} gross margin for the quarter ended September 30, 2023

Revenue by Category

We estimate that:

- Revenues from emergent trauma procedures represented approximately half of total revenues during the third quarter and grew in the mid-single digit range versus the third quarter of 2022
- Revenues from scheduled non-trauma procedures represented approximately half of total revenues during the third quarter and grew approximately 20% from the third quarter of 2022
- We estimate that the mix of emergent and scheduled procedures for fiscal 2022 was approximately 55% and 45%, respectively

We estimate revenue by application using the information received from hospitals and sales representatives and based upon assumptions regarding specific surgeon practice and account information. Accordingly, the accuracy of our estimates is subject to the limited data we receive and accuracy of those assumptions.



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2023 Annual Financial Guidance

The company anticipates:

• Full-year 2023 revenue is expected to be between \$154 million and \$159 million

• Represents ~11% to 15% growth over 2022

- Gross margin will be reduced with the continued transition to the new processing facility in the fourth quarter
- Expect full year gross margins will be approximately 80%



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 Began processing tissue in the new facility in August 2023



Growth Drivers

- Recent clinical data published within the past year will support increased adoption particularly with middle adopters
 - RECONSM
 - Meta Analysis of clinical outcomes and Medicare Economic Data
 - Premier Economic Data
- Innovation
 - New product launches in nerve protection: Axoguard HA+ Nerve Protector™ launched in August, Avive+ Soft Tissue
 Matrix™ launch anticipated in Q1 2024
 - Resensation® for breast neurotization expansion into implant-based reconstructions
- · Patient activation programs for breast neurotization, surgical treatment of pain, and OMF
- Improved emergent procedure logistics and economics in more cost-efficient settings (ASCs)
- · Surgeon training across our applications



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Axogen Processing Center (APC)

- Began processing tissue in the new facility in August 2023
- Supports BLA requirements for Avance
 nerve graft
- Provides 3x current capacity, designed for long-term growth and expansion







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Product Portfolio



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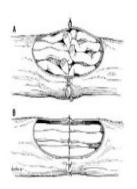
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Traditional TRANSECTION repair options are suboptimal

SUTURE

Direct suture repair of no-gap injuries

- Common repair method
- May result in tension to the repair leading to ischemia
- Concentrates sutures at the coaptation site



AUTOGRAFT

Traditional method despite several disadvantages

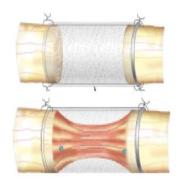
- Secondary surgery
- Loss of function and sensation at harvest site
- 27% complication rate including infection, wound healing and chronic pain ¹⁹
- Limited availability of graft length and diameter



SYNTHETIC CONDUITS

Convenient off the shelf option; limited efficacy & use

- Provides only gross direction for regrowth
- · Limited to small gaps
- 34%-57% failure rate >5mm gaps^{20, 21}
- Semi-rigid and opaque material limits
 use and visualization
- Repair reliant on fibrin clot formation

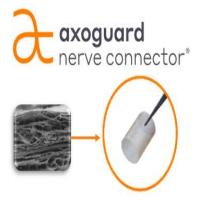




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Axogen solutions for TRANSECTION repair





Processed human nerve allograft for bridging nerve gaps Clinically studied off-the-shelf alternative

- A biologically active nerve therapy with more than ten years of comprehensive clinical evidence
- 82-84% meaningful recovery in sensory, mixed and motor nerve gaps in multi-center study²²
- Eliminates need for an additional surgical site and risks of donor nerve harvest²²
- May reduce OR time

Structural support for regenerating axons

- Cleansed and decellularized extracellular matrix (ECM)
- Offers the benefits of human peripheral nerve micro-architecture and handling Revascularizes and remodels into patient's own tissue similar to autologous nerve²³
 16 size options in a variety of lengths (up to 70mm) and diameters (up to 5mm)

Only minimally processed porcine ECM for connector-assisted coaptation Alternative to direct suture repair

• Reduces the risk of forced fascicular mismatch^{24, 25}

Alleviates tension at critical zone of regeneration

- Disperses tension across repair site²⁶
- Moves suture inflammation away from coaptation face^{27, 28}

Remodels into vascularized patient tissue^{28, 29, 30, 31, 32}

14 size options in lengths of 10mm and 15mm, and diameters up to 7mm

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Traditional COMPRESSION repair options are suboptimal

VEIN WRAPPING

Autologous vein

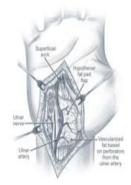
- Barrier to attachment to surrounding tissue
- Requires extra time and skill to perform spiral wrapping technique
- Second surgery site



HYPOTHENAR FAT PAD

Autologous vascularized flap

- Barrier to attachment to surrounding tissue
- Only wraps part of the nerve circumference
- Increases procedure time



COLLAGEN WRAPS

Off-the-shelf

- Semi-rigid material limits use
- Degrades over time and does not provide a lasting barrier to soft tissue attachment





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Axogen solution for COMPRESSION repair



Minimally processed porcine extracellular matrix for wrapping and protecting injured peripheral nerve

Protects repair site from surrounding tissue

- Processing results in an implant that works with the body's natural healing process³³
- Minimizes soft tissue attachments³⁴

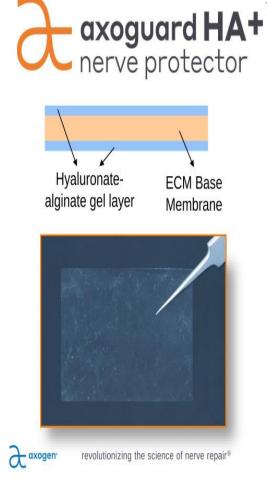
Allows nerve gliding

- Minimizes risk of entrapment³⁴
- Creates a barrier between repair and surrounding tissue bed³⁴
- ECM revascularizes and remodels into patient's own tissue^{29,35}



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Axoguard HA+ Nerve Protector[™] designed for short and long-term protection



Lubrication layer:

- Protects nerve in the early critical phase of healing
- Enhance nerve gliding for nerve protection applications where nerve mobility is critical and aids in minimizing soft tissue attachments

ECM base membrane:

- Processed porcine submucosa extracellular matrix (ECM) base layer
- Vascularizes and remodels to form a new long-term protective tissue layer

Handling characteristics:

- Flat sheet design that easily conforms to tissue
- Coverage of more anatomical locations

Launched August 2023

Traditional STUMP NEUROMA options are suboptimal

TRACTION NEURECTOMY

Nerve placed in traction and cut to allow for retraction

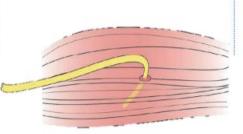
- Simply resecting the nerve results in subsequent neuroma formation and risk of secondary surgery
- Causes traction injury
- High risk of recurrence³⁶



BURYING IN MUSCLE/BONE

Traditional method of neurectomy and neuromyodesis

- Simply resecting the nerve results in subsequent neuroma formation and risk of secondary surgery
- Pain due to muscular contraction or localized pressure
- Larger surgical dissection
- Only 33-40% of patients were satisfied with treatment after burial into bone or muscle^{37, 38, 39}



INJECTIONS

Pharmacologic intervention, typically alcohol or steroids^{40, 41, 42, 43, 44, 45}

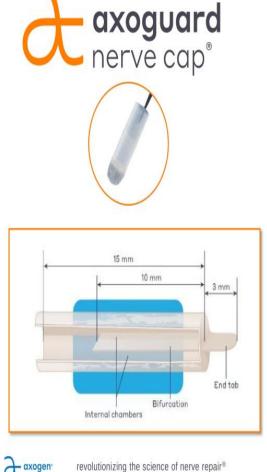
- Chemical injections are only successful 40% of the time ^{43, 44}
- Temporary solution that has a reduced benefit over time
- May cause considerable side effects



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Axogen solution for STUMP NEUROMA



axogen

Proprietary small intestine submucosa (SIS) matrix designed to separate the nerve end from the surrounding environment to protect it from mechanical stimulation and reduce painful neuroma formation.

Protects and isolates

- Reduces the development of symptomatic or painful neuroma • formation
- Provides a barrier from neurotrophic factors and mechanical stimulation

SIS Material allows for vascularization and gradual remodeling (as shown in animal studies)^{46,47}

Material gradually incorporates into patient's own tissue, creating a • physical barrier to surrounding soft tissue

Intra-operative versatility

- Ideal for anatomic areas with limited or no musculature
- Alternative to historical techniques such as burying in muscle or • bone
- Available in a variety of diameters ٠

Avance Patents and Regulatory Landscape

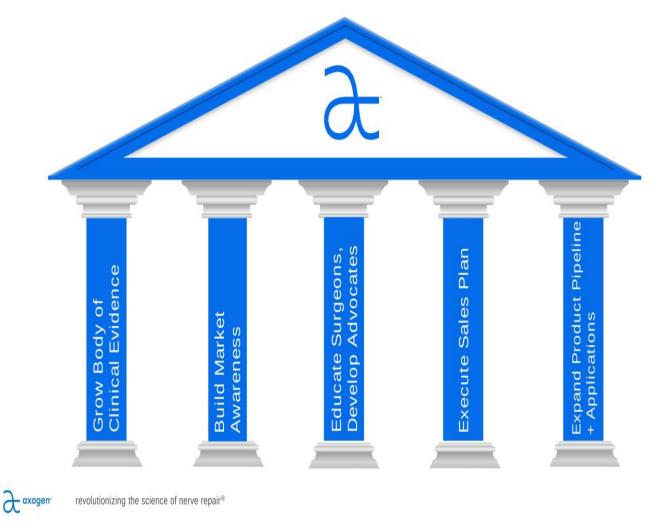
Avance nerve graft Avance nerve graft is Axogen's nerve graft-related IP processed and distributed in accordance with US Issued U.S. Patents New (non-biosimilar) competitive FDA requirements for (additional patents **BLA product estimated 8 years** pending) Human Cellular and Tissue-based 7,732,200 Axogen has Enforcement Products (HCT/P) Protection from biosimilars using Avance as 7,402,319 Discretion from FDA allowing continued sales under 7,851,447 the reference application -at least 12 years controls applicable to HCT/Ps 8,758,794 with agreed transition plan to from Avance BLA approval 9,597,429 regulation as a Biological 9,572,911 Product under a Biologic Avance expected to License Application (BLA) if 9,690,975 be the reference approved. Axogen expects to 9,996,729 product for the file the BLA in the first half of 10,311,281 2024 category of processed 10,783,349 nerve allograft A new (non-biosimilar) 11,156,595 competitive processed nerve 11,513,039 allograft, we believe, would 11,523,606 need to complete clinical testing and obtain BLA approval prior to clinical release, and it would likely require at least 8 years to achieve this.



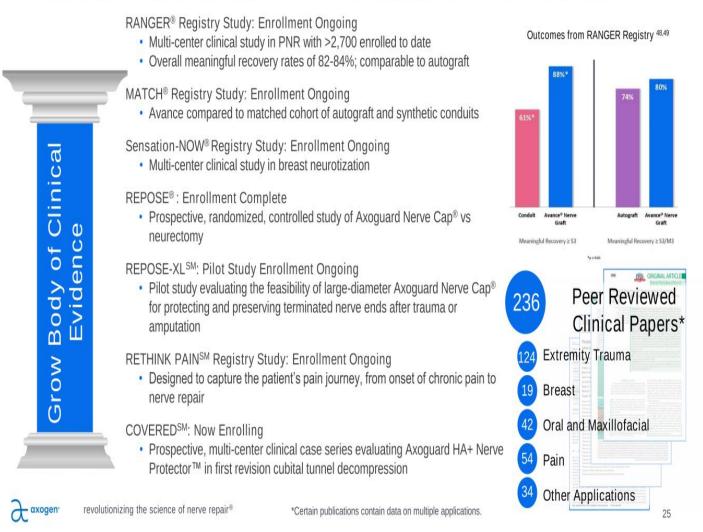
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Market development strategy



Strong commitment to developing clinical evidence



RECON[®]: A Multicenter, Prospective, Randomized, Subject & Evaluator Blinded Comparative Study of Nerve Cuffs & Avance Nerve Graft Evaluating Recovery Outcomes for the Repair of Nerve Discontinuities





Evaluated upper extremity digital nerve repair for nerve gaps 5-25mm



220 subjects from up to 25 U.S. centers stratified into gap lengths with two-thirds in the 5-14mm group and onethird in the 15-25mm group

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RECON Study Topline Results^{1,2}

Primary Endpoint Achieved

- This phase three pivotal study met its primary endpoint for the return of sensory function as measured by static two-point discrimination, and the safety profile was consistent with previously published data
- The data will support the company's rolling Biologics License Application (BLA) submission in the first half of 2024

Statistical superiority demonstrated at increasing gap lengths

- Avance demonstrated statistical superiority for return of sensory function (measured by static two-point discrimination) as compared to conduits in gaps greater than 12 mm (p-value 0.021).
- Avance demonstrated statistical superiority for time to recovery of static two-point discrimination as compared to conduits, returning normal sensation* up to 3 months earlier in gaps greater than 10 mm (p-value 0.037).

The safety profile was consistent with previously published data

 Conduit repairs were observed to have an increased likelihood of persistent and unresolved nerve pain with an incidence of 9 (8%) conduit subjects as compared to 2 (2%) Avance subjects.

*Normal Sensation is defined by the Medical Research Council Classification (MRCC) score as S4 or return of static two-point discrimination outcomes of ≤ 6mm. ¹Axogen Data on File;

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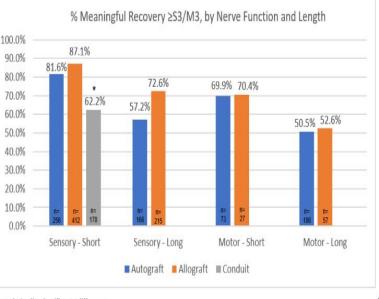
²Isaacs J, Nydick JA, Means KR, Merrell GA, Ilyas A, Levin LS; RECON study group. A Multicenter Prospective Randomized Comparison of Conduits Versus Decellularized Nerve Allograft for Digital Nerve Repairs. J Hand Surg Am. 2023 Aug 2:S0363-5023(23)00297-6. doi: 10.1016/j.jhsa.2023.05.020. Online ahead of print.

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Independent Publication of Nerve Meta-Analysis Provides the Strongest Clinical and Economic Evidence To-Date of the Performance of Avance® Nerve Graft Across All Gap Lengths and Nerve Types

"Lans et al., A systematic review and meta-analysis of nerve gap repair: Comparative effectiveness of allografts, autografts, and conduits" – Journal of Plastic and Reconstructive Surgery¹

- Analyzed 35 peer-reviewed studies with 711 allograft, 670 autograft, and 178 conduit repairs, over four decades.
- There were no statistical differences between allograft and autograft outcomes over all gap lengths for both sensory and motor nerve repairs.
- Allograft and autograft repairs delivered significantly better rates of meaningful sensory recovery in short gaps as compared to conduit repairs; 87.1% and 81.6% vs. 62.2%, respectively, p<0.05.
- The cost analysis found that allograft does not represent an increased economic burden compared to autograft.



*statistically significant difference

¹Lans J, Eberlin KR, Evans PJ, Mercer D, Greenberg JA, Styron JF. A Systematic Review and Meta-Analysis of Nerve Gap Repair: Comparative Effectiveness of Allografts, Autografts, and Conduits. Plast Reconstr Surg. 2023 May 1;151(5):814e-827e. doi: 10.1097/PRS.0000000000010088. Epub 2022 Dec 26.

28

Procedure Costs of Peripheral Nerve Graft Reconstruction

Raizman et al. PRS Global Open¹



• Retrospective study of U.S. all-payer data on facility procedure costs from 2018 to 2020. Included over 1,300 nerve repairs.

Conclusions:

- No significant differences in procedure costs for autograft and allograft repair in either inpatient or outpatient setting.
- OR time was significantly shorter for allograft repairs, in both outpatient and inpatient settings.

Procedure Costs of Nerve Repair

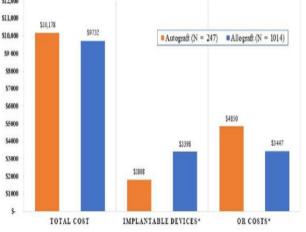


Fig. 2. Outpatient descriptive costs of nerve graft repair type (n = 1261).





¹Raizman NM, Endress RD, Styron JF, Emont SL, Cao Z, Park LI, Greenberg JA. Procedure Costs of Peripheral Nerve Graft Reconstruction. Plast Reconstr Surg Glob Open. 2023 Apr 10;11(4):e4908. doi: 10.1097/GOX.00000000004908. eCollection 2023 Apr. 2010

Focus on building awareness among clinicians and patients



- Continuing clinical conference participation both virtually and in-person as appropriate
- · Ongoing patient ambassador program
- · Garnering positive media attention
- · Growing social media presence

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Build Market

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Awareness



30

Knowledge is power: continued education and advocacy efforts with patients, clinicians and key legislators elevates the problems associated with numbness.



Emphasis on education



· Emphasis on training hand and microsurgery fellows



77th annual meeting of the ASSH visit Axogen at booth # 815

"Late-Breaking, State-of-the-Art Nerve Reconstruction Data: The How and Why of Implementing this New Data into Your **Clinical Practice**" Friday, September 30 • 7:00 - 8:00 am

Axogen Innovation Lab







masterminds of nerve





Focused sales execution, increasing market penetration



Sales execution focused on driving

- · Continue driving penetration in Core Accounts
- · Approximately 5,100 potential U.S. accounts perform nerve repair
- 372 Core Accounts as of September 30, 2023
- Core Accounts now represent approximately 65% of total revenue, up from 60% in prior

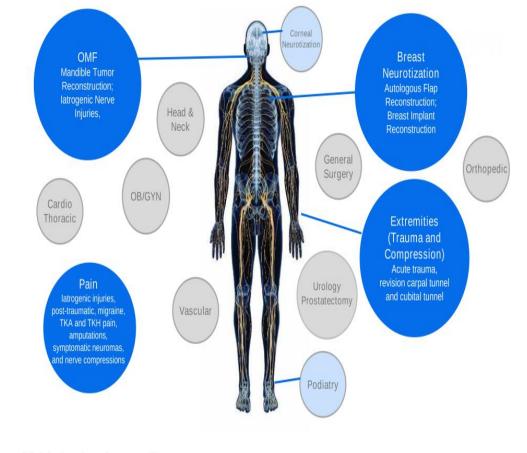
Broad sales reach

- U.S. direct sales team
- o 116 direct sales professionals at the end of Q3 2023
- · Supplemented by independent agencies
- Revenue from direct sales channel represented approximately 90% of total revenue

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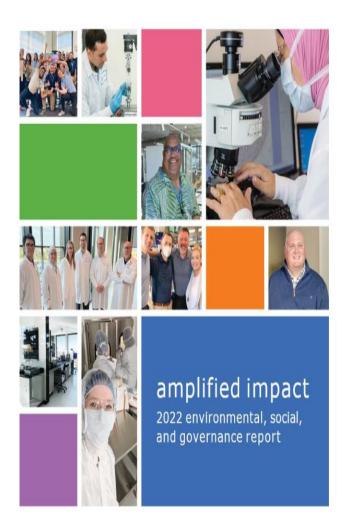
Opportunities in nerve repair

Core business anchored in Trauma and Upper Extremity, and expanded to Breast, OMF and Pain. Further Market Expansion in Corneal Neurotization and Podiatry.





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Committed to our patients, the communities we serve, and our pursuit of advancing the science of nerve repair in ethical and sustainable ways

People Sustainability Business

Diversity, Equity, and Inclusion - Being the Company where exceptional people want to work

Cybersecurity - Data Privacy, Training, and Policies

Compliance – Quality Management System, Regulatory, and Good Manufacturing Practices

Governance – Framework for Ethics Codes and Accountability

Environment - Responsible, Sustainable Operations





Executive team



Karen Zaderej Chairman, CEO, and President J&J (Ethicon)



Peter J. Mariani Executive Vice President and Chief Financial Officer Guidant, Lensar, Hansen



Marc Began Executive Vice President, General Counsel Abiomed, Boehringer Ingelheim, Novo Nordisk



Angelo Scopelianos, Ph.D. Chief Research and Development Officer J&J



Doris Quackenbush Vice President of Sales Convatec



Erick DeVinney Vice President, Peripheral Nerve Science and Clinical Innovation Angiotech, PRA Intl



Mike Donovan Vice President, Operations Zimmer



Jens Schoeder Kemp Chief Marketing Officer Ambu, Pera International



Ivica Ducic, M.D., Ph.D. Medical Director Washington Nerve Institute

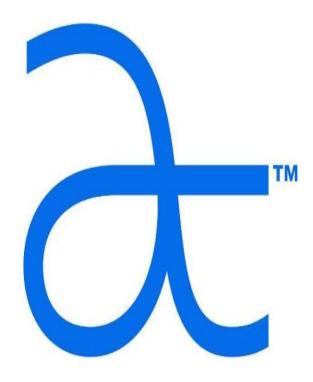


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Appendix

- Key Clinical Data
- Historical Core and Active Accounts
- CMS outpatient and ASC reimbursement rates
- Total Addressable Market
- Cash, debt, and capital structure
- · Axogen product portfolio and indications for use



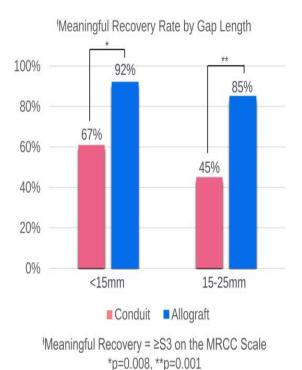


Avance nerve graft repairs found to be significantly better than conduit repairs

"Leversedge et al., A Multicenter Matched Cohort Study of Processed Nerve Allograft and Conduit in Digital Nerve Reconstruction" – Journal of Hand Surgery, September 2020⁴⁸

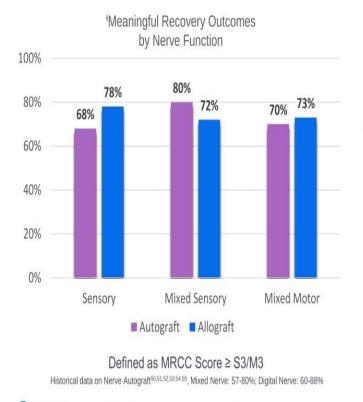
- Peer-reviewed publication from the MATCH cohort of the RANGER Registry
- Includes outcomes from 110 subjects with 162 nerve injuries; 113 were repaired with Avance nerve graft and 49 were repaired with manufactured conduit
- Findings show overall meaningful recovery rate was 88% for Avance nerve graft and 61% for conduit (p=0.001) for gaps up to 25mm
- Average static two-point discrimination improved to 9.7mm for Avance nerve graft as compared to 12.2mm for conduit (p=0.018)
 - Note: lower measurement is reflective of improved discrimination and a better outcome
- As gap length increased, Avance nerve graft outcome rates remained consistent while conduit rates declined significantly





Study finds Avance nerve graft (allograft) clinical outcomes recovery rates comparable to nerve autograft

"Safa et al., A Propensity Matched Cohort Study on Outcomes from Processed Nerve Allograft and Nerve Autograft in Upper Extremity Nerve Repairs"⁴⁹



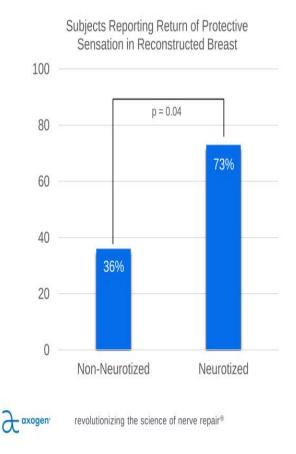
According the science of nerve repair®

Presented at American Society for Surgery of the Hand (ASSH), Oct 2020

• Study of 156 nerve repairs found meaningful recovery rates for Avance nerve graft were comparable to autograft for both sensory and motor function

First publication on breast neurotization outcomes with Avance Nerve Graft demonstrated greater return of protective sensation

"Momeni et al., Flap Neurotization in Breast Reconstruction with Nerve Allografts: 1-year Clinical Outcomes" – Plastic and Reconstructive Microsurgery Global Open, January 2021⁵⁹



- Early outcomes from a single center study, as part of the Sensation-NOW[®] registry
- 36 breast reconstructions that included:

22 breast reconstructions with Resensation®

- 14 standard non-neurotized breast reconstructions
- Return of Protective Sensation (p=0.04)

73% of the Resensation group

36% of the non-neurotized group

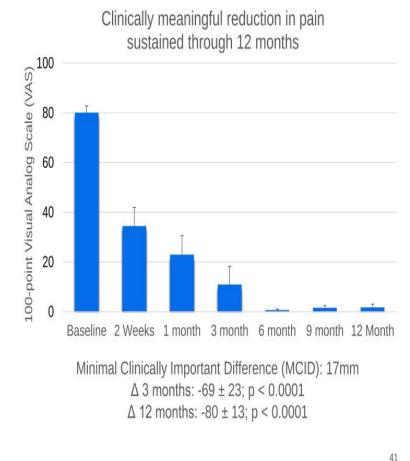
 Neurotization with Avance Nerve Graft resulted in greater return of sensation and return of sensation in more of the breast as compared to standard reconstruction without nerve repair.

Axogen sponsored REPOSESM pilot study analysis demonstrates clinically significant improvement for subjects with chronic neuropathic pain when using Axoguard Nerve Cap[®] following neurectomy⁶⁰

15-subject, single arm pilot phase evaluating reduction in pain from baseline following surgical excision of the neuroma and placement of the Axoguard Nerve Cap

- Significant & clinically meaningful reduction
 in pain
- Significant and clinically meaningful improvements in Fatigue, Physical Function, Sleep Disturbance, Pain Interference, Pain Intensity, and Pain Behavior as measured by the validated PROMIS[®] measures
- Positive indicators for reduction in pain medication burden, including opioids
- No recurrence of neuroma





Historical Core and Active Accounts



Core Accounts

Q320 Q420 Q121 Q221 Q321 Q421 Q122 Q222 Q322 Q422 Q123 Q223 Q323 Core Acccounts 248 269 274 306 292 294 288 299 331 332 350 347 372 *Adjusted Core Accc 237 256 265 294 283 282 285 298 331 332 350 347 372

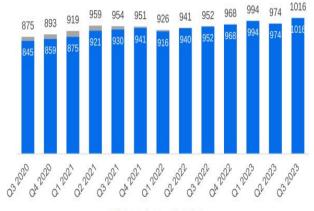
> Core Accounts now represent ~65% of revenue, up from approximately 60% in prior quarters



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Active Accounts

6 orders in the last 12 months



Active ex-Avive Total Active

	Q320	Q420	Q121	Q221	Q321	Q421	Q122	Q222	Q322	Q422	Q123	Q223	Q323
Active Accounts	875	893	919	959	954	951	926	941	952	968	994	974	1016
*Adjusted Active Ac	845	859	875	921	930	941	923	940	952	968	994	974	1016

Active Accounts typically contribute ≈85% of total revenue Top 10% of Active Accounts typically contribute ≈35% of total revenue

> * Axogen voluntarily suspended market availability of Avive[®] Soft Tissue Membrane on June 1, 2021. Active and Core Account metrics are Adjusted for past Avive revenue.

2024 CMS Final outpatient reimbursement rates - hospital and ASC

Although CMS rates¹ only apply to Medicare cases, which represents a small percentage of traumatic injuries, private payors are often influenced by the analysis and decisions made by CMS

CPT Code	Bernister	C-APC	Hospital Outpatient (HOPD)				Ambulatory Surgery Center (ASC)			
CPT Code	Descriptor	C-APC	2019	2023	2024	5Y % Change	2019	2023	2024	5Y % Change
64912	Nerve allograft repair ²	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$4,057	\$4,583	138.69%
64910	Conduit or vein allograft repair ²	5432	\$4,566	\$6,179	\$6,354	39.15%	\$2,613	\$3,805	\$4,291	64.21%
64885	Autograft repair (head and neck ≤4cm) ³	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$2,632	\$4,499	134.33%
64886	Autograft repair (head and neck >4cm) ⁶	5432	\$4,566	\$6,179	\$6,354	39.15%	\$3,127	\$4,375	\$3,013	-3.65%
64890	Autograft repair (hand and foot ≤4cm) ³	5432	\$4,566	\$6,179	\$6,354	39.15%	\$3,075	\$2,602	\$4,586	49.14%
64891	Autograft repair (hand and foot >4cm) ²	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$3,383	\$3,796	97.71%
64892	Autograft repair (arm and leg ≤4cm) ²	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$3,383	\$4,619	140.59%
64893	Autograft repair (arm and leg >4cm) ²	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$3,383	\$4,681	143.79%
64897	Autograft repair (arm and leg ≤4cm multiple strands) ³	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$3,660	\$4,085	112.78%
64895-96,98	Autograft repair (all other nerve type) ⁵	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$2,632	\$3,013	56.92%
	Direct Repair (other hand / foot, arm/leg, repair / transpose, facial, low back,) ⁵	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$2,632	\$3,013	56.92%
64865	Direct Repair of facial nerve ²	5432	\$4,566	\$6,179	\$6,354	39.15%	\$1,920	\$3,383	\$3,796	97.71%
64831, 61	Direct Repair (digital, brachial plexus/arm) ⁴	5431	\$4,566	\$ 1,798	\$1,842	-59.67%	\$1,920	\$854	\$898	-53.24%
64858	Direct Repair (sciatic) ²	5431	\$4,566	\$ 1,798	\$1,842	-59.67%	\$1,920	\$1,481	\$1,498	-21.98%

1. National average payment rates. Commercial payments are traditionally 1.5-2x higher than Medicare.

2. Nerve allograft repair CPT 64912, conduit repair CPT 64910, autograft repairs hand/foot >4cm CPT 64891, arm/leg≤4cm CPT 64892, arm and leg >4cm CPT 64893, repair arm/leg ≤4cm multiple

strands CPT 64897. direct repair of facial nerve CPT 64865 remain in C-APC 5432 and direct repair sciatic CPT 64858 remains in C-APC 5431 and all <u>continue to meet ASC device intensive criteria</u>. 3. Autograft repair head/neck ≤4cm CPT 64885, hand and foot ≤4cm 64890 remains in C-APC 5432 and <u>meets ASC device intensive criteria</u> in 2024

Direct repair digital and brachial plexus/arm CPT codes 64831 and 64861 remain in C-APC 5431 and <u>do not meet ASC device intensive criteria</u>.

 Autograft repair all other nerve type CPT 64895-96,98 and Direct repair other hand/foot CPT 64834-36, leg CPT 64840, repair/transpose CPT 64856, arm/leg CPT 64857, low back CPT 64862-64 remain in C-APC 5432 and do not meet ASC device intensive criteria

axogen⁶. Autograft repair head/neck >4cm CPT 64886 remains in C-APC 5432 no longer meets ASC device intensive criteria in 2024

Note: Hospital inpatient rates for nerve repair align to DRGs 040, 041, 042 and range from \$11.1k to \$24.6k in the 2024 IPPS Final Rule

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2024 Center for Medicare and Medicaid Services (CMS): Final Physician Fee Schedule (PFS)

CDT Cadaao	CPT Codes3 Descriptor		Physician Fee Schedule (PFS)						
CPT Codess	Descriptor	2019 2023 2024		2024	5Y % Change				
64912	Nerve allograft repair	\$804	\$908	\$883	9.78%				
64910	Conduit or vein allograft repair	\$825	\$772	\$752	-8.80%				
64885 to 64898*	Autograft repair	\$1,096 to \$1,495	\$1,065 to \$1,444	\$1,035 to \$1,404	-5.54% to -6.12%				
64831 to 64861*	Direct Repair	\$713 to \$1,604	\$708 to \$1,560	\$689 to \$1,522	-3.34% to -5.11%				

*excludes add-on procedure codes

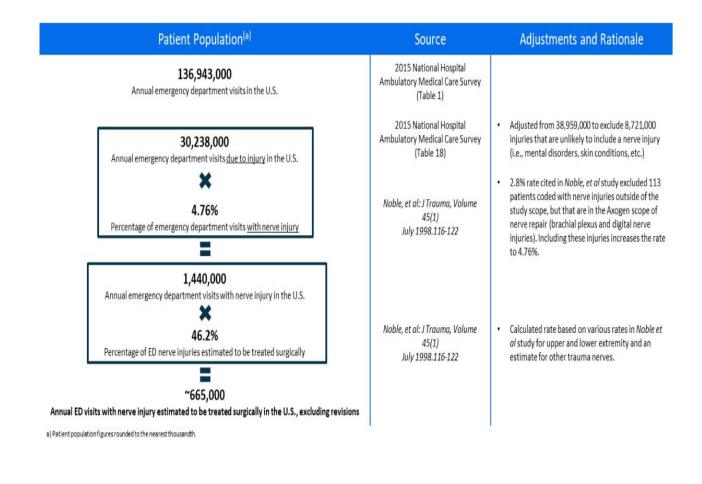


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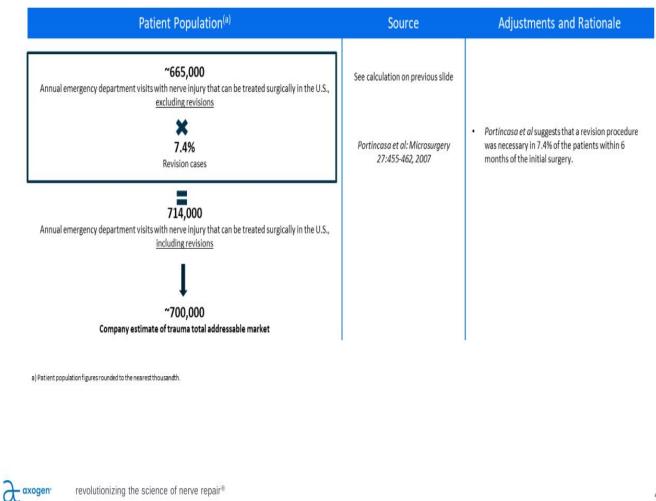
November 6, 2023

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Estimated Trauma total addressable market



Trauma total addressable market (continued)



Estimated \$2.7B value of market opportunity in existing applications

	Projected Incidence ^(a)	Weighted Average Procedure Value	Estimated Total Addressable Market
Trauma	700,000 100%	\$2,715	\$1,900M ^{100%}
Transection injuries >5mm (b)	203,000 29%	\$5,515	\$1,120M 59%
Transection injuries <5mm	198,000 29%	\$1,200	\$238M 12%
Protection (c)	293,000 42%	\$1,825	\$535M 28%
Carpal and Cubital Tunnel Protection	130,000	\$2,100	\$270M
Oral and Maxillo-Facial (OMF)	56,000	\$5,400	\$300M
Breast Reconstruction Neurotization	24,500 flaps (15,000 patients)	\$10,200	\$250M
Totals	>900,000 (potential)		>\$2.7B

a) Estimated Annual incidence of PNI surgery are figures rounded to the nearest thousandth except for Breast Reconstruction Neurotization (rounded to nearest hundredth).

b) Transection injuries > 5mm assumes a factor of 1.22 nerve repairs per procedures, and utilization of the Axogen portfolio of products, based upon data observed in the RANGER® registry.

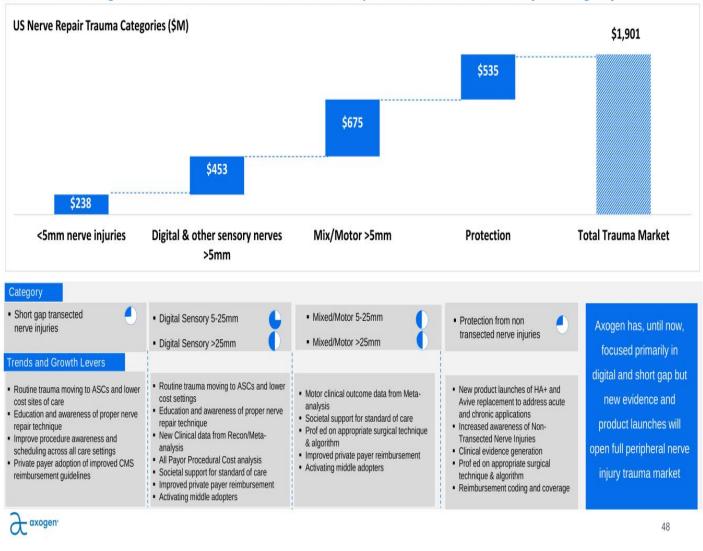
c) Protection includes non-transected compression and crush injuries including protection from surrounding soft tissue attachments.

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We continue to see a significant growth opportunity in the trauma market as we leverage new clinical & HE data and product launches, by category





Balance sheet and capital structure

Balance Sheet Highlights	June 30, 2023	
Cash, Cash Equivalents, and Investments	\$38.6 million	
Total Long-term Debt	\$50.0 million*	
Capital Structure (shares)	June 30, 2023	
Capital Structure (shares) Common Stock	June 30, 2023 43,039,399	

* Total long-term debt includes debt proceeds under the terms of the agreement with Oberland Capital, inclusive of unamortized debt discount and deferred financing fees.



Axogen comprehensive portfolio of products

Avance® Nerve Graft

- Regulatory Classification: Avance Nerve Graft is processed and distributed in accordance with U.S. Food and Drug Administration (FDA) requirements for Human Cellular and Tissue-based Products (HCT/P) under 21 CFR Part 1271 regulations, U.S. State regulations and the guidelines of the American Association of Tissue Banks (AATB). Additionally, international regulations are followed as appropriate.
- Indication for Use: Avance Nerve Graft is processed nerve allograft (human) intended for the surgical repair of peripheral nerve discontinuities to support regeneration across the defect.
- Contraindications: Avance Nerve Graft is contraindicated for use in any patient in whom soft tissue implants are contraindicated. This includes any pathology that would
 limit the blood supply and compromise healing or evidence of a current infection.

Axoguard Nerve Connector®

- · Regulatory Classifications: Class II Medical Devices 510(k) cleared, CE Marked
- Indications for Use (EU and UK): The Axoguard Nerve Connector is indicated for the repair of peripheral nerve discontinuities with gaps up to 5 mm. The Axoguard Nerve Connector is supplied sterile and is intended for single use.
- Indications for Use (ROW): Axoguard Nerve Connector is intended for the repair of peripheral nerve discontinuities where gap closure can be achieved by flexion of the
 extremity. The Axoguard Nerve Connector is supplied sterile and is intended for single use.
- · Contraindications: This device is derived from a porcine source and should not be used for patients with known sensitivity to porcine material.

Axoguard Nerve Protector®

- · Regulatory Classifications: Class II Medical Devices 510(k) cleared, CE Marked
- Indication for Use: Axoguard Nerve Protector is indicated for the repair of peripheral nerve injuries in which there is no gap. The Axoguard Nerve Connector is supplied sterile and is intended for single use.
- · Contraindications: This device is derived from a porcine source and should not be used for patients with known sensitivity to porcine material.

Axoguard Nerve Cap®

- · Regulatory Classification: Class II Medical Device 510(k) cleared
- Indications for Use: Axoguard Nerve Cap is indicated to protect a peripheral nerve end and to separate the nerve from the surrounding environment to reduce the development of symptomatic or painful neuroma.
- Contraindications: Axoguard Nerve Cap is derived from a porcine source and should not be used for patients with known sensitivity to porcine derived materials. Axoguard Nerve Cap is contraindicated for use in any patient for whom soft tissue implants are contraindicated; this includes any pathology that would limit the blood supply and compromise healing, or evidence of a current infection. Axoguard Nerve Cap should not be implanted directly under the skin. Note: This device is not intended for use in vascular applications.



Axogen comprehensive portfolio of products (Cont'd)

- Axoguard HA+ Nerve Protector™
 - · Regulatory Classifications: Class II Medical Devices 510(k) cleared
 - · Indication for Use: Axoguard HA+ Nerve Protector is indicated for the management of peripheral nerve injuries where there is no gap.
 - Contraindications: Axoguard HA+ Nerve Protector base membrane is derived from a porcine source and the lubricant coating is composed of sodium hyaluronate and sodium alginate. The Axoguard HA+ Nerve Protector should not be used for patients with known sensitivity to porcine, alginate, or hyaluronate materials. NOTE: This device is not intended for use in vascular applications.







Footnotes

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