### 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): January 13, 2020

**AXOGEN, INC.** (Exact name of registrant as specified in its charter)

Minnesota	001-36046	41-1301878
(State or other jurisdiction of (Commission File Numb		(IRS Employer Identification No.)
incorporation)		
13631 Progress Boulevard, S	Enite 400	
Alachua, Florida	Suite 400,	32615
(Address of Principal Executiv	ve Offices)	(Zip Code)
	Registrant's telephone number, including area cod	9
	Registrant's telephone number, mending area cou	
	(386) 462-6800	
(Fo	ormer name or former address if changed since last re	eport,)
Check the appropriate box below if the Form 8-bollowing provisions:	K filing is intended to simultaneously satisfy the filing	ng obligation of the registrant under any of the
Soliciting material pursuant to Rule 14a-12 Pre-commencement communications pursu	125 under the Securities Act (17 CFR 230.425) under the Exchange Act (17 CFR 240.14a-12) ant to Rule 14d-2(b) under the Exchange Act (17 CF ant to Rule 13e-4(c) under the Exchange Act (17 CF	
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#### Item 2.02 Results of Operations and Financial Condition

On January 13, 2020, Axogen, Inc. (the "Company") issued a press release announcing its estimated fourth quarter and full year 2019 revenue. 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 January 13, 2020, the Company also released a corporate update related to the estimated fourth quarter and full year 2019 revenue, among other items to be presented in San Francisco, California at the Solebury Trout Management Access SF 2020 Event and JP Morgan 38th Annual Healthcare Conference on January 13–15, 2020 and January 16, 2020, respectively. A copy of the investor update is furnished as Exhibit 99.2.

The information in this 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

Exhibit No.	Description
99.1	Axogen, Inc. Press Release, dated January 13, 2020.
99.2	Axogen, Inc. Corporate Presentation, dated January 13, 2020.

#### 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.

Date: January 13, 2020 By: /s/ Gregory G. Fre

By: /s/ Gregory G. Freitag Gregory G. Freitag General Counsel



### Axogen Reports Preliminary Unaudited Revenue for Fourth Quarter and Full-Year 2019 and Provides 2020 Annual Guidance

**ALACHUA**, FL – January 13, 2020 – Axogen, Inc. (NASDAQ: AXGN), a global leader in developing and marketing innovative surgical solutions for peripheral nerve injuries, today announced preliminary unaudited fourth quarter and full-year 2019 revenue.

### Preliminary Unaudited Fourth Quarter and Year-End Performance Highlights

- Fourth quarter revenue is expected to be at least \$28.1 million, up 20% compared to fourth quarter 2018 revenue of \$23.4 million
- Full-year 2019 revenue is expected to be at least \$106.6 million, up 27% compared to 2018 revenue of \$83.9 million
- Ended the fourth quarter with 109 direct sales representatives, including 8 former OMF sales roles that were converted to full line territory reps during the quarter. This represents a net increase of 4 representatives during the quarter and 24 representatives in 2019
- Revenue from our direct sales channel represented approximately 90% of total revenue in the fourth quarter, compared to approximately 85% in the fourth quarter of 2018
- · Increased active accounts in the fourth quarter to 797, up 12% from 712 in the fourth quarter a year ago

"We delivered solid revenue growth in both the fourth quarter and the full year, and I am pleased with the progress we continue to make in rebalancing and refocusing our commercial efforts towards extremity trauma, our largest market opportunity," commented Karen Zaderej, chairman, CEO, and president of Axogen. "New market development requires persistence and hard work, and I am confident that we have the right team and commercial strategy in place to continue driving strong surgeon adoption of our technology over the next several years."

#### **Updated 2019 Financial Guidance**

Management has updated its 2019 revenue guidance and now expects 2019 revenue to be at least \$106.6 million. Management reiterates its expectation of full-year 2019 gross margin above 80%.

#### 2020 Financial Guidance

Management anticipates that 2020 revenue will be approximately \$124 million to \$128 million and expects that the number of direct sales representatives will increase to approximately 126 to 131. Additionally, management expects gross margin to remain above 80% and that operating margin will see moderate improvement year over year.

The results disclosed in this press release are preliminary and unaudited. The Company will report full, audited results for the fourth quarter and year ended December 31, 2019 on February 24, 2020.

#### Previously Scheduled Investor Meetings to be Held This Week

Members of the Axogen senior management team will participate in the Solebury Trout Management Access SF 2020 Event in San Francisco, January 13 –15, 2020. These annual meetings provide an opportunity for management to meet individually with investors to address Axogen's differentiated platform for nerve repair in an expanding set of applications.

#### Presentation at JP Morgan Healthcare Conference

As previously announced, Karen Zaderej will present at the JP Morgan 38th Annual Healthcare Conference in San Francisco. The presentation is scheduled for Thursday, January 16, 2020 at 10:30 a.m. PST (1:30 p.m. EST). The presentation will be webcast live and will be accessible through the Investors page at www.axogeninc.com. For those not available to listen to the live broadcast, a replay will be archived for 90 days and will be available through the Investors page on <a href="https://www.axogeninc.com">www.axogeninc.com</a>.

The company's updated corporate presentation is available through the investors page on www.axogeninc.com.

#### **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, including 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 extracellular matrix (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; and Avive® Soft Tissue Membrane, a processed human umbilical cord intended for surgical use as a resorbable soft tissue barrier. The Axogen portfolio of products is available in the United States, Canada, the United Kingdom, and several other European and international 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. The forward-looking statements may include, without limitation, statements regarding our growth, our 2019 and 2020 guidance, product development, product potential, financial performance, sales growth, product adoption, market awareness of our products, data validation, our assessment of our internal controls over financial reporting, our visibility at and sponsorship of conferences and educational events. The forward-looking statements are and will be subject to risks and uncertainties, which may cause actual results to differ materially from those expressed or implied in such forward-looking statements. Forward-looking statements contained in this press release should be evaluated together with the many uncertainties that affect our business and our market, particularly those discussed under Part I, Item 1A., "Risk Factors," of our Annual Report on Form 10-K for the fiscal year ended December 31, 2018, as well as other risks and cautionary statements set forth in our filings with the U.S. Securities and Exchange Commission. 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, whether as a result of new information, future events, changed circumstances, or otherwise.

Contact:
Axogen, Inc.
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InvestorRelations@AxogenInc.com

# Corporate presentation

As of December 31, 2019

nasdaq: axgn



### axogen®

### 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 forwardlooking statements. The forward-looking statements may include, without limitation, statements regarding our growth, our 2019 and 2020 guidance, product development, product potential, financial performance, sales growth, product adoption, market awareness of our products, data validation, our assessment of our internal controls over financial reporting, our visibility at and sponsorship of conferences and educational events.

The forward-looking statements are and will be subject to risks and uncertainties, which may cause actual results to differ materially from those expressed or implied in such forward-looking statements. Forward-looking statements contained in this presentation should be evaluated together with the many uncertainties that affect our business and our market, particularly those discussed under Part I, Item 1A., "Risk Factors," of our Annual Report on Form 10-K for the fiscal year ended December 31, 2018, as well as other risks and cautionary statements set forth in our filings with the U.S. Securities and Exchange Commission. 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, whether as a result of new information, future events, changed circumstances, or otherwise.



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## The Axogen platform for nerve repair





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### The function of nerves

### 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
- · Autonomic



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# Axogen is the preeminent nerve repair company with a foundation for long-term sustainable growth

- Exclusively focused in peripheral nerve repair across an expanding set of applications addressing large market opportunity
- ✓ Differentiated platform for nerve repair, anchored with Avance® Nerve Graft
- √ 10+ years of demonstrated clinical consistency and meaningful recovery outcomes
- √ 105 peer-reviewed clinical publications featuring the Axogen product portfolio (as of September 30, 2019)
- ✓ Avance RMAT designation highlights clinical evidence strength and unmet medical need for improved nerve injury treatments

- "Five Pillar" Market Development Strategy delivered 36 consecutive quarters of YOY double-digit growth
- Commercial and Professional Education capability to convert experienced surgeons while training the next generation
- ✓ Significant barriers to competitive entry
- ✓ Solid balance sheet provides resources to execute business plan
- Experienced management team with strong track record of success



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### Delivering strong consistent revenue growth & gross margins

U.S. \$ in millions





84.2% Gross Margin for the quarter ended September 30, 2019

a) Unaudited estimate of 2019 year-end and fourth quarter revenue.



### **Operational Highlights**

- Solid revenue growth in Q4 and 2019
- Continuing to rebalance and refocus our commercial efforts toward our largest market opportunity of extremity trauma
- Completed conversion of 8 former OMF sales roles to full line reps in late Q4
- Solid commercial foundation in place to drive strong adoption of our technology over the next several years

## **Guidance Update**

### 2019

- · Revenue at least \$106.6m
- · Gross margin above 80%

### 2020

- Revenue approximately \$124m \$128m
- · Direct sales rep increase to approximately 126 131
- · Gross margin above 80%
- Operating margin will see modest improvement year over year

## Factors contemplated in 2020 revenue guidance include:

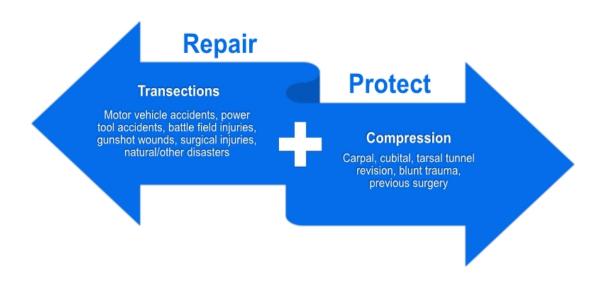
- Continued maturation of expanded sales footprint, offset by near-term effects of efforts to refocus commercial strategy toward extremity trauma
- Measured approach to expanding the commercial organization in 2020 after significant change in 2019
- · Net price increase in the low single digit range



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January 12, 2020

## How are nerves injured?

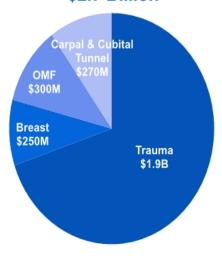




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## Current targeted nerve markets (U.S.)

### >\$2.7 Billion\*



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

- Trauma: > 700,000(1,2,3,4)
- Carpal Tunnel Revisions & Cubital Tunnel: 130,000<sup>(5,6,7,8)</sup>
- OMF:  $> 55,000^{(9,10,11,12,13,14,15,16,17)}$
- Breast Neurotization Procedures: 15,000<sup>(18)</sup>

\*\$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.



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

	Annual Incidence <sup>(a)</sup>	Weighted Average Procedure Value	Total Addressable Market
Trauma	700,000 <sup>(b)</sup>	\$2,725 <sup>(c)</sup>	\$1,900M
Carpal and Cubital Tunnel	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) Annual incidence of PNI surgery are figures rounded to the nearest thousandth except for Breast Reconstruction Neurotization (rounded to nearest hundredth).
 b) See slides 9 and 10 for further details.
 c) Includes factor of 1.22 nerves by procedure based upon data observed in the RANGER® registry.



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# Trauma total addressable market

Patient Population <sup>(a)</sup>	Source	Adjustments and Rationale
<b>136,943,000</b> Annual emergency department visits in the U.S.	2015 National Hospital Ambulatory Medical Care Survey (Table 1)	
<b>30,238,000</b> Annual emergency department visits <u>due to injury</u> in the U.S.	2015 National Hospital Ambulatory Medical Care Survey (Table 18)	<ul> <li>Adjusted from 38,959,000 to exclude 8,721,000 injuries that are unlikely to include a nerve injury (i.e., mental disorders, skin conditions, etc.)</li> </ul>
4.76% Percentage of emergency department visits with nerve injury	Noble, et al: J Trauma, Volume 45(1) July 1998.116-122	<ul> <li>2.8% rate cited in Noble, et al study excluded 11.3 patients coded with nerve injuries outside of the study scope, but that are in the Avogen scope of nerve repair (brachial plexus and digital nerve injuries). Including these injuries increases the rate to 4.76%.</li> </ul>
1,440,000  Annual emergency department visits with nerve injury in the U.S.  46.2%  Percentage of ED nerve injuries estimated to be treated surgically  665,000  Annual ED visits with nerve injury estimated to be treated surgically in the U.S., excluding revisions  a) Patent population figures rounded to the nearest thousandth.	Noble, et al: J Trauma, Volume 45(1) July 1998.116-122	Calculated rate based on various rates in <i>Noble et al</i> study for upper and lower extremity and an estimate for other trauma nerves.



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# Trauma total addressable market (continued)

Patient Population <sup>(a)</sup>	Source	Adjustments and Rationale
~665,000  Annual emergency department visits with nerve injury that can be treated surgically in the U.S.,  excluding revisions  7.496 Revision cases	See calculation on previous slide  Portincasa et al: Microsurgery 27:455-462, 2007	Portincasa et al suggests that a revision procedure was necessary in 7.4% of the patients within 6 months of the initial surgery.
714,000  Annual emergency department visits with nerve injury that can be treated surgically in the U.S., including revisions  ~700,000  Company estimate of trauma total addressable market		

a) Patient population figures rounded to the nearest thousandth



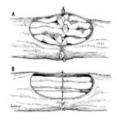
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### Traditional TRANSECTION repair options are suboptimal

#### 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

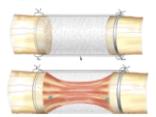
- Secondary surgery
- Loss of function and sensation at harvest site
- 27% complication rate including infection, wound healing and chronic pain <sup>19</sup>
- Limited availability of graft length and diameter



#### **HOLLOW-TUBES**

### Convenient off the shelf option; limited efficacy & use

- Provides only gross direction for regrowth
- · Limited to small gaps
- 34%-57% failure rate >5mm gaps<sup>20, 21</sup>
- 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
- 84% meaningful recovery in sensory, mixed and motor nerve gaps in multi-center study<sup>22</sup>
- Eliminates need for an additional surgical site and risks of donor nerve harvest<sup>22</sup>
- · 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 nerve<sup>23</sup> 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<sup>24, 25</sup>

Alleviates tension at critical zone of regeneration

- Disperses tension across repair site<sup>26</sup>
- Moves suture inflammation away from coaptation face<sup>27, 28</sup>

Revascularizes and remodels into patient's own tissue<sup>28, 29, 30, 31</sup>



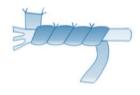
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### Traditional COMPRESSION repair options are suboptimal

### **VEIN WRAPPING**

#### Autologous vein

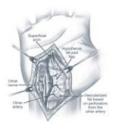
- Barrier to attachment to surrounding tissue
- Requires extra time and skill to perform spiral wrapping technique
- · Second surgery site



#### HYPOTHENAR FAT PAD

#### Autologous vascularization 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

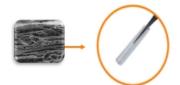




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### Axogen solution for COMPRESSION repair





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 process<sup>32</sup>
- Minimizes soft tissue attachments<sup>33</sup>

#### Allows nerve gliding

- · Minimizes risk of entrapment33
- Creates a barrier between repair and surrounding tissue bed<sup>33</sup>
- ECM Revascularizes and remodels into patient's own tissue<sup>29,34</sup>

### Easy to use

- · Semi-translucent to allow visualization of underlying nerve
- · Conforms to nerve



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# Axogen resorbable solution to protect from the surrounding environment





Processed human umbilical cord intended for surgical use as a resorbable soft tissue barrier

Smart processing to preserve the natural properties of the umbilical cord amniotic membrane

Designed with the surgeon in mind

- · Easy to handle, suture, or secure during a surgical procedure
- Up to 8x thicker than placental amniotic membrane alone<sup>35</sup>
- Specifically designed as a resorbable soft tissue barrier to separate the tissue layers for at least 16 weeks<sup>36</sup>



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## Axogen platform for nerve repair

### Connection





Repair peripheral nerve discontinuities.

Transected nerve (5mm-70mm)





Repair transected or severed peripheral nerves.

Transected nerve (≤5mm)

### Protection





Protect injured nerves and reinforce nerve reconstruction while preventing soft tissue attachments





Surgical use as a resorbable soft tissue barrier.



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## Avance IP and regulatory barriers to competitive entry

### Avance Nerve Graft

Avance Nerve Graft is processed and distributed in accordance with US FDA requirements for Human Cellular and Tissue-based Products (HCT/P)

#### IP protection to 2023 and beyond

### Avance Nerve Graft Issued U.S. Patents

6,696,575 9,572,911 6,972,168 9,597,429 7,402,319 9,690,975 7,732,200 9,996,729 7,851,447 10,311,281 8,758,794 10,441,681 8,986,733 9,402,868

### New (non-biosimilar) Competitive BLA product estimated 8 years

Axogen has Enforcement Discretion from FDA allowing continued sales under controls applicable to HCTI/Ps with agreed transition plan to regulation as a Biological Product under a Biologic License Application (BLA) if approved.

A new (non-biosimilar) competitive processed nerve allograft we believe would need to complete clinical testing and obtain BLA approval prior to clinical release. Protection from potential biosimilars –12 years data exclusivity from BLA approval

Avance expected to be the reference product for the category of processed nerve allograft



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### Unique Avance technology creates barriers to competitive entry

### Progress toward Biologic License Application (BLA) for Avance Nerve Graft

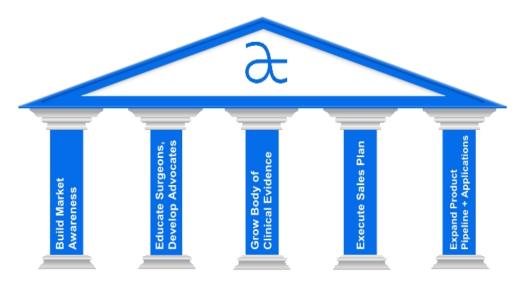
- Received Regenerative Medicine Advanced Therapy (RMAT) designation for Avance Nerve Graft in September 2018
  - Highlights strength of clinical evidence and the unmet medical need for improved therapies to treat nerve injuries
- · On track to reach RECON enrollment of 220 subjects by end of Q2 2020
  - Prospective randomized controlled double-blinded study compares Avance Nerve Graft to synthetic conduits in digital injuries
- Expected protection from potential biosimilars -12 years data exclusivity from BLA approval
- · Began the build-out of our new 70,000 square foot, state-of-the-art biologics processing facility
  - Facility being built to cGMP standards under 21 CFR Part 210/211 regulations
  - -Anticipate full transition of tissue processing by early 2022
  - Supports long term capacity expansion



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January 12, 2020

## Market development strategy





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# Focus on building awareness among surgeons, patients, and investors

### Participate in clinical conferences

• Exhibits, podium presentations, KOL panels

### Promote awareness among patients

Axogen patient ambassador program

### Garner positive media attention

· National, regional and local broadcast, print and online





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### Emphasis on education

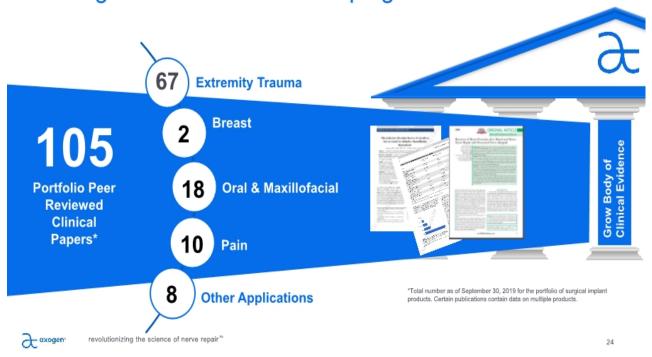
- During the last 3 years, held 58 national programs including 25 in 2019
- Trained three-quarters of hand and microsurgery Fellows in 2019
- Expanded offering includes trauma, Breast, OMF, Pain and Fellows national programs as well as targeted regional programs
- Expect to train three-quarters of hand and microsurgery Fellows in 2020





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### Strong commitment to developing clinical evidence



### Strong commitment to developing clinical evidence

#### RANGER® Registry Study: Enrollment Ongoing

- The largest multi-center clinical study in peripheral nerve repair; >2,000 Avance nerve repairs enrolled to date
- Overall meaningful recovery rates of 82-84%; comparable to autograft outcomes without associated donor site comorbidities

### MATCH<sup>SM</sup> Registry Study: Enrollment Ongoing

· Autograft and Synthetic Conduit outcomes

#### **RECON<sup>SM</sup> Study: Enrollment Ongoing**

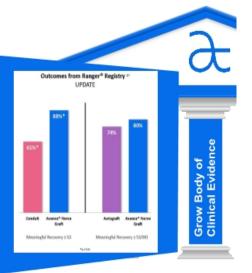
- Prospective, randomized study of Avance Nerve Graft controlled vs Synthetic conduits in digital injuries 5 to 25mm
- · IND Pivotal Study to support BLA Submission
- Study enrollment target of 220 expected to be completed by the end of Q2 2020

### Sensation-NOW® Registry Study: Enrollment Ongoing

· Multi-center clinical study in breast neurotization

### REPOSE<sup>SM</sup>: Enrollment Ongoing

Prospective, randomized study of Axoguard Nerve Cap controlled vs neurectomy





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# Focused sales execution, increasing market penetration



### Sales execution focused on driving results

- Continue expansion by driving penetration in active accounts and adding new active accounts
- 5,100 potential U.S. accounts perform nerve repair
- 797 active accounts as of December 31, 2019
- Top 10% of active accounts represent approximately 35% of total revenue

### **Expanded sales reach**

- · U.S. direct sales team
  - o 85 direct sales professionals at end of 2018
  - o 109 direct sales professionals at end of 2019
- o 126 131 direct sales professionals expected by end of 2020
- · Supplemented by independent agencies
- Revenue from direct sales channel represented approximately 90% of total revenue in Q4

Execute Sa



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### What are the new CMS outpatient reimbursement rates?

Although CMS rates<sup>1</sup> only apply to Medicare cases, which represents a small percentage of traumatic injuries, the increased 2020 rates reflect the positive evolution of nerve repair, and private payors are often influenced by the analysis and decisions made by CMS

CPT Code	Descriptor	C-APC	Hospital Outpatient (HOPD)		Ambulatory Surgery Center (ASC)			
		5 4.1 5	2019	2020	% Change	2019	2020	% Change
64912	Nerve allograft repair	5432	\$4,566	\$ 5,508	21%	\$1,920	\$3,422	78%
64910	Conduit or vein allograft repair <sup>2</sup>	5432	\$4,566	\$ 5,508	21%	\$2,613	\$3,133	20%
64891	Autograft repair (hand and foot>4cm) <sup>3</sup>	5432	\$4,566	\$ 5,508	21%	\$1,920	\$2,829	47%
64885-98	Autograft repair (all other nerve type) 4	5432	\$4,566	\$ 5,508	21%	\$1,920 - \$3,575	\$2,170	-39% to +13% <sup>4</sup>
64831, 61, 58	Direct Repair (digital, brachial plexus, sciatic)	5431	\$4,566	\$1,719	-62%	\$1,920	\$793	-59%

- 1. National average payment rates. Commercial payments are traditionally 1.5-2x higher than Medicare.
- 2. ASC 2019 and 2020 payment for Conduits received device intensive status for both years.
- 3. ASC 2020 payment for autograft repair CPT 64891 hand/foot >4cm met device intensive criteria for the first time
- 4. ASC 2020 payment for autograft repair CPT 64885 head/neck </4cm, 64886 head/neck </4cm, and 64890 -hand/foot </4cm, lost device intensive status with a 29%-39% decrease (\$3,575, \$3,172, \$3,075 payment respectively in 2019)

### Hospital Outpatient and ASC rates:

Allograft, autograft and conduit repair increase

Direct repair for digital, sciatic and brachial plexus rates decrease
(all other direct repairs = allograft and autografts)



# 2020 Center for Medicare and Medicaid Services (CMS): Physician Fee Schedule (PFS)

- In 2020 physician fees for allograft procedures increased 18% from 2019
  - Traditionally CMS payments for physician services do not vary significantly from year to year.

CPT Codes	Descriptor	Physician Fee Schedule (PFS)			
		2019	2020	% Change	
64912	Nerve allograft repair	\$804	\$ 951	18%	
64910	Conduit or vein allograft repair	\$825	\$820	-1%	
64885 to 64898*	Autograft repair	\$1,096 to \$1,495	\$1,096 to \$1,495	-1% to 0%	
64831 to 64868*	Direct Repair	\$713 to \$1,604	\$717 to \$1,578	-2% to 1%	

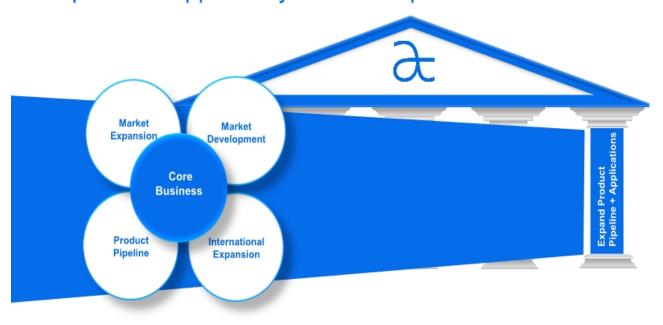
<sup>\*</sup>excludes add-on procedure codes



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January 12, 2020

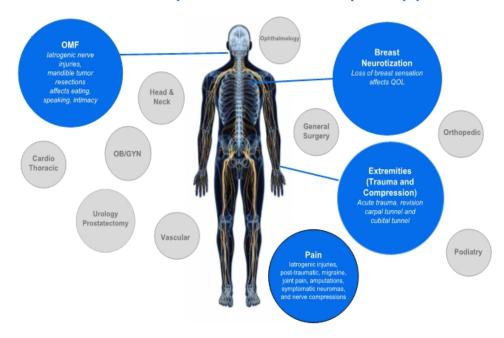
# Expand the opportunity in nerve repair





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## Platform for nerve repair across multiple applications



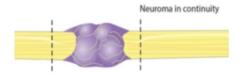


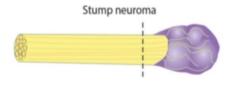
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### The surgical treatment of pain

# Focus on neuroma pain from orthopedic surgeries or trauma

- A neuroma is a tangled mass of disorganized nerve and fibrous tissue that can impair function and cause chronic pain
- If not properly diagnosed and addressed, the management of these injuries may require long-term pharmacologic treatment and pain management

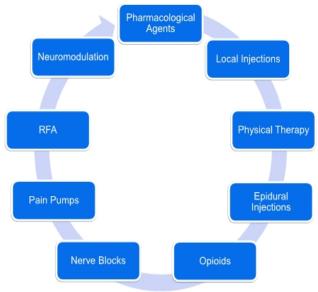






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# Historical management options for chronic neuropathic pain





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### Creating solutions for chronic neuropathic pain

#### Objectives **Examples of initiatives** · Establish referral pathways to nerve pain surgeons Develop Create the most efficient model · Standardize algorithm for patient selection and business model for clinicians and Axogen integrated care Generate & · Enroll patients in the Nerve Pain Registry Build evidence with defined • Enroll REPOSESM - Axoguard® Nerve Cap RCT publish algorithm in selected applications clinical evidence · Initiate RCT on neuroma treatment Build a · Educate physician referral base through podium Establish the surgical treatment of presentations and papers across disciplines physician pain as a valid treatment option · Conduct education programs in nerve pain referral pathway · Expand our KOL pain advisory board **Build market** Increase awareness of the surgical · Launch patient awareness/activation programs awareness treatment of pain as a viable option · Partner with pain advocacy groups



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### Axoguard nerve cap for stump neuroma pain



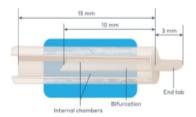


US FDA Clearance - K163446

Indicated to protect a peripheral nerve end and separate the nerve from the surrounding environment to reduce the development of symptomatic or painful neuroma.



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- Completed clinical evaluation and user preference study
- Enrolling REPOSE, a randomized controlled study of neuroma revision
- Product launch expected in February 2020

### **Executive team**



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



Peter J. Mariani Chief Financial Officer Lensar, Hansen, Guidant



Greg Freitag, JD, CPA General Counsel Pfizer, Guidant



Eric A. Sandberg Chief Commercial Officer Guidant



Maria Martinez Chief Human Resources Officer HSNi, Bausch + Lomb



Isabelle Billet Chief Strategy & Business Development Officer J&J, C.R. Bard, Cardinal



Erick DeVinney VP, Clinical & Translational Sciences Angiotech, PRA Intl



Mike Donovan VP, Operations Zimmer



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



Mark Friedman, Ph.D. VP, Regulatory & QA AtriCure, Enable Medical



Angelo Scopelianos, Ph.D. VP, Research & Development J&J



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# Balance sheet and capital structure

Balance Sheet Highlights	September 30, 2019
Cash, Cash Equivalents, and Investments	\$106.1 million
Total Bank Debt	\$0

Capital Structure (shares)	September 30, 2019
Common Stock	39,461,318
Common Stock Options, RSUs, PSUs	4,584,991
Common Stock and Common Stock Equivalents	44,046,309



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# Axogen is the preeminent nerve repair company with a foundation for long-term sustainable growth

- Exclusively focused in peripheral nerve repair across an expanding set of applications addressing large market opportunity
- ✓ Differentiated platform for nerve repair, anchored with Avance® Nerve Graft
- √ 10+ years of demonstrated clinical consistency and meaningful recovery outcomes
- √ 105 peer-reviewed clinical publications featuring the Axogen product portfolio (as of September 30, 2019)
- ✓ Avance RMAT designation highlights clinical evidence strength and unmet medical need for improved nerve injury treatments

- "Five Pillar" Market Development Strategy delivered 36 consecutive quarters of YOY double-digit growth
- Commercial and Professional Education capability to convert experienced surgeons while training the next generation
- ✓ Significant barriers to competitive entry
- ✓ **Solid balance sheet** provides resources to execute business plan
- Experienced management team with strong track record of success



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Deloitte Technology Fast 500: 2014, 2015, 2016, 2017, 2018, 2019

Russell 2000 Index: June 2016

DecisionWise Intl Employee Engagement Best Practices Award Winner: 2018



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### **Footnotes**

- National Hospital Ambulatory Medical Care Survey; 2015 Emergency Oppartment Summary Tables Table 18. https://www.odc.gov/incheditals/nhamos/web\_tables/2015\_ed\_web\_

- Weaperstein, et al. Collagion table conduits in profitheral mere repairs with enterories control manufact Pears report (2002), 10(6); 278-277.

  Data on file at Assigner

  Karabelmare, et al. Early clinical outcomes with the use of decellularized nerve allograft for repair of sensory defects within the hand. Hand. 2009; 4(3): 245-249.

  Bosekspire, et al. Collagion no conduit varius microsarycial muscrehispity. 2-year follow-up of a prospective, binded clinical and wiscinchysiological multicenter randomized, controlled trial. J hand Surg Am. 2013; 38(12): 2405-2411.

  Bosekspire, et al. Collagion conduit varius microsarycial muscrehispity. 2-year follow-up of a prospective, binded clinical and wiscinchysiological multicenter randomized, controlled trial. J hand Surg Am. 2013; 38(12): 2405-2411.

  Bosekspire, et al. Selective reinervation of defeal more surgery by pertpirent more sensor. Exp. New Handle Surgery (1): 1997-39(2): 299-3900.

  Schridisharmer, et al. Alleviated tension at the repair size enhances functional respensation. The effect of full range of motion mobilization on the repair and transfer of the propriet of the propriet and transfer of pertpirent inverse—histologic, electrophysiologic, and functional results in a rat model. J Trauma. 2004; 56(3): 571-584.

  Tang, et al. The option surniver and obstance of suspine and conductive street perspective. The effect of full range of motion mobilization on the repair and transfer and tr

Anison Nerve Cruit, Apoguard Nerve Protector, Asoguard Nerve Cornector, Asoguard Nerve Cop, Aniso Soft Tissue Membrane, RANCER, revolutionizing the science of nerve repair, and their large are tradematic of Asogon Coporation, Asoguard Nerve Connector and Asoguard Nerve Protector are restricted and inchmist collectable by Asogon Composition.

Literature, Salama, Asogon and inchmist collectable by Asogon Composition.



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