

Industry Therapeutic Update from Annexon Biosciences

Advancing GBS Care: Latest Insights into the role of classical complement pathway in GBS

Tuesday,
8th April, 2025

AAN 2025 Meeting

San Diego, CA



Symposium Goals and Objectives



Address the risk of GBS as a neuromuscular emergency that requires early diagnosis and targeted treatment



Discuss the role of C1q and neuroinflammation in the pathogenesis of GBS independent of GBS subtype



Review the unmet needs in the current GBS treatment landscape



Present results from the clinical trial program of tanruprubart (ANX005), a C1q inhibitor, in patients with GBS

Symposium Faculty



Jeff A. Allen, MD

Professor of Neurology

University of Minnesota



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**Assistant Professor of
Neurology**

Baylor College of Medicine



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**Professor of Neurology,
Associate Dean**

University at Buffalo

Symposium Agenda

Breaking New Ground In The Treatment Of Guillain-Barré Syndrome

Time	Topic	Speaker
06:00 PM	Welcome & Introduction	Jeff Allen, MD
06:15 PM	GBS Revisited	Avni Kapadia, MD
06:30 PM	Role of Complement & Biomarkers in GBS Pathogenesis	Nick Silvestri, MD
06:45 PM	The Treatment of Guillain-Barré Syndrome: New Insights into the role of C1q Inhibition	Jeff Allen, MD
06:50 PM	Panel Discussion/Q&A	All
07:00 PM	Closing	Jeff Allen, MD

Guillain-Barré Syndrome Revisited



Avni Kapadia, MD
Assistant Professor of Neurology
Baylor College of Medicine



Disclosures

Avni Kapadia is a consultant for Annexon.

GBS is a Neuromuscular Emergency with Long-Term Disability

Post-infectious Complement- mediated disease

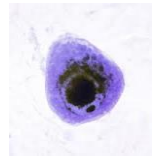
GBS is a post-infectious immune-mediated polyradiculoneuropathy^{1,2}

*Campylobacter
jejuni*



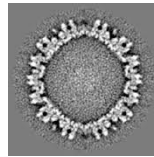
30%

*Cytomegalo
virus*



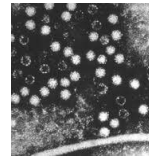
4%

*Epstein-Barr
virus*



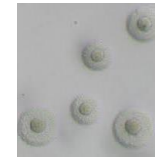
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*Hepatitis
E virus*



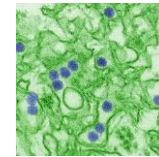
3%

*Mycoplasma
pneumoniae*



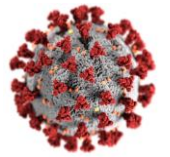
10%

*Zika
virus*



variable

*SARS-
CoV-2 virus*



rare

Complement-activating antibodies generated in response to the antecedent infection cross react to nerves leading to nerve damage^{1,2}

GBS is the most common cause of acute paralytic inflammatory disease of the peripheral nervous system¹

Nerve damage can lead to a range of symptoms including muscle weakness, numbness, pain, fatigue, and in severe cases acute paralysis¹

GBS develops rapidly, with patients typically presenting within a few days to weeks of symptom onset.

¹Willison HJ, et al. *Lancet*. 2016 Aug 13;388(10045):717-27. ²Leonhard SE, et al. *Neurology*. 2022 Sep 20;99(12):e1299-e1313.

GBS Can Affect Anyone Of Any Age, Race, Or Sex At Any Time

High unmet
medical need

- GBS is the most common cause of acute paralysis in the US²
- No FDA-approved therapies



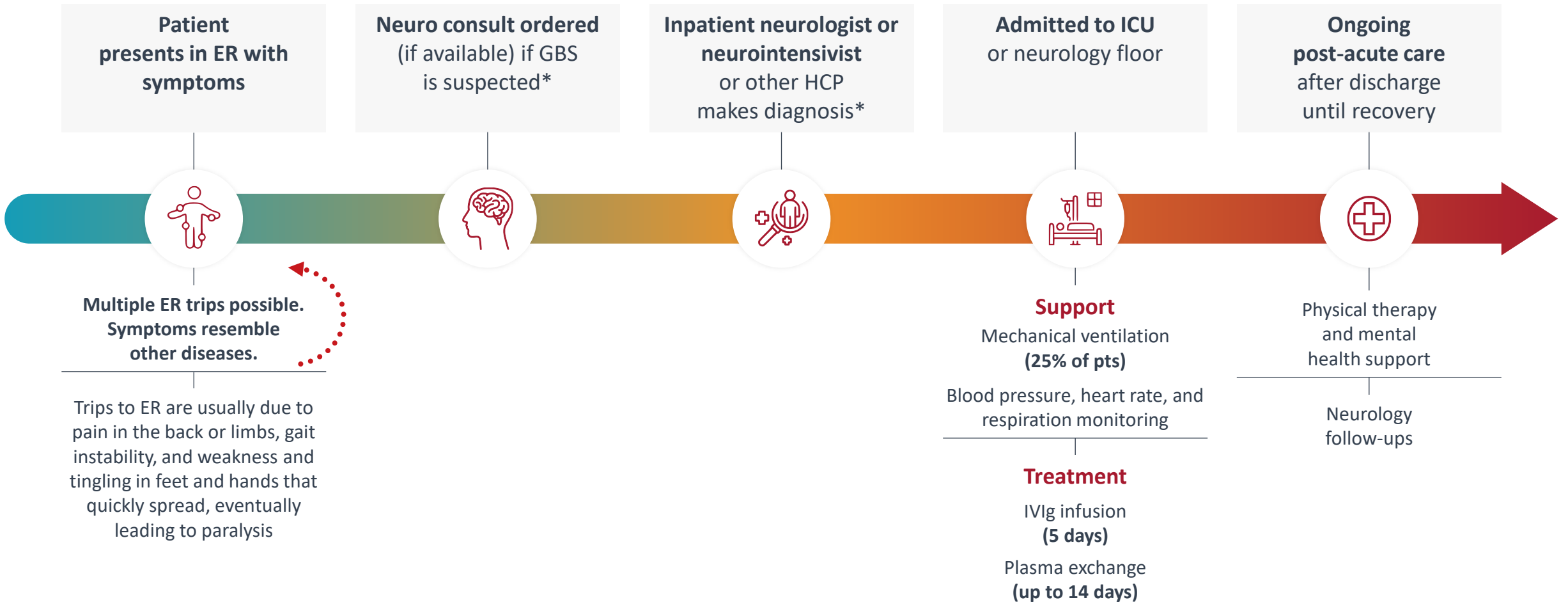
Weaned from mechanical ventilation

Significant
morbidity

- Despite IVIg, GBS results in:
 - Severe weakness and paralysis⁴
 - Ventilation in 25% of patients^{5,6}
 - 20% unable to walk unaided at one year⁷

GBS, Guillain-Barré syndrome; IVIg, intravenous immunoglobulin; MOA, mechanism of action. 1. van Doorn PA. *Presse Med.* 2013;42(6 Pt 2):e193-201; 2. Willison HJ, et al. *Lancet.* 2016;388(10045):717-27; 3. Guillain-Barré Syndrome. US Centers for Disease Control and Prevention. Updated May 10, 2024. Accessed February 2, 2025. <https://www.cdc.gov/campylobacter/signs-symptoms/guillain-barre-syndrome.html>; 4. Bragazzi NL, et al. *J Neuroinflammation.* 2021;18(1):264; 5. Hughes RA, et al. *Cochrane Database Syst Rev.* 2014;2014(9):Cd002063; 6. van den Berg B, et al. *Nat Rev Neurol.* 2014;10(8):469-82; 7. Doets AY, et al. Regional variation of Guillain-Barré syndrome. *Brain.* 2018;141(10):2866-77.

The Prolonged Journey of Patients With GBS¹⁻³



IVIg, intravenous immunoglobulin.

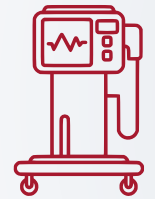
*Depending on institutional resources, the patient may not have access to a specialist. 1. van den Berg B et al. Nat Rev Neurol. 2014;10(8):469-482. 2. Dubey D et al. Muscle Nerve. 2016;53(3):384-387. 3. Shang P et al. Front Pharmacol. 2021;12:608130.

GBS is Associated with Significant Acute Morbidity and Mortality



1 to 2 Months

Average hospitalization time for moderate or severe GBS¹



≈1 in 4 Patients

Requires mechanical ventilation²

In one study on ICU admission in patients with GBS³

- Median ICU time, overall: 21 days
- On ventilation, median ICU time: 28 days

1-Year Mortality Rates Range Geographically⁴



The Americas and Europe

5%



Worldwide

2% to 17%

Up to 20%

mortality rate for patients on ventilation^{5,6}

ICU, intensive care unit.

1. Harms M. *Neurohospitalist*. 2011;1(2):78–84. 2. van den Berg B et al. *Nat Rev Neurol*. 2014;10: 469–482. 3. Dhar R et al. *J Neurol Sci*. 2008;264(1-2):121-128. 4. Doets AY et al. *Brain*. 2018;141(10):2866-2877.

5. Fletcher DD et al. *Neurology*. 2000;54:2311-2315. 6. Netto AB et al. *Ann Indian Acad Neurol*. 2011;14(4):262-266.

GBS Is Associated With Significant Long-Term Morbidity

AT 3 YEARS^{1,2}

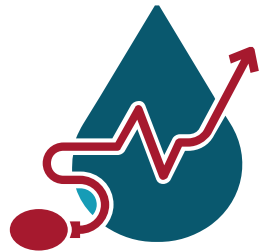
71%

experience neuropathic pain



50%

have autonomic dysfunction



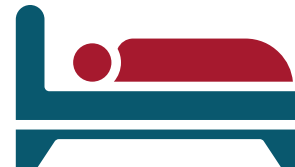
4%

are unable to walk unassisted



2%

are bedridden



AT 10 YEARS³

Up to 52%

Have disability (eg, residual weakness, numbness)



AT 20 YEARS⁴

42%

Experience severe fatigue



IRREVERSIBLE DISABILITY CAN HAVE AN IMPACT ON SOCIAL LIFE AND ABILITY TO PERFORM ACTIVITIES OF DAILY LIFE³

1. Uz FB et al. *Malawi Med J.* 2023;35(3):156-162. 2. Martic V et al. *Can J Neurol Sci.* 2018;45(3):269-274. 3. Forsberg A et al. *J Neurol Sci.* 2012;317(1-2):74-79. 4. Drory VE et al. *J Neurol Sci.* 2012;316(1-2):72-75.

GBS Case Report- Part I



JT, a 51-year-old female, arrived at the emergency department complaining of weakness and discomfort in her extremities.



JT explained she had been feeling numbness and tingling in her toes for the past two weeks, with symptoms progressively worsening. About one week prior, JT returned from an overseas trip and attributed her current symptoms as residual effects of an illness she experienced towards the end of her travels.



Over the past 3 days, JT had experienced increased weakness and impaired motor skills. She noted a specific difficulty holding her toothbrush and brushing her teeth, influencing her to seek medical attention.



Due to her rapidly progressing signs and symptoms, JT was admitted to the hospital. JT had stable vital signs, breathing independently on room air, and due to suspicion for GBS, CSF studies were obtained and demonstrated elevated protein.



JT was diagnosed with GBS and was started immediately on IVIg 0.4g/kg for a 5-day course.

GBS Case Report- Part II



JT's status worsened the next 24-48 hours while on the inpatient neurology ward, and had trouble breathing and swallowing.



JT was admitted to the ICU on day 2 of her 5-day course of IVIg where she was provided with respiratory support to assist with breathing, and a nasogastric (NG) tube to provide nutrition.



On day 9 since the start of IVIg, JT began to show significant signs of improvement in her respiratory status



JT was transferred from the ICU to the hospital's step-down unit where her condition stabilized.



After one week in the ICU and another week on the inpatient service for therapy and respiratory monitoring, she was discharged to inpatient rehabilitation for ongoing post-acute care.



She continued comprehensive PT/OT during her rehab stay, and she was referred to neurology & PMR for outpatient follow up.

Current Treatments' Effects on Immune Activity in patients with GBS

IVIg^{1,2}

- **Treatment time:** 5 days
- Nontargeted immunomodulation
- A second dose has not been shown to be effective, but may be given in patients experiencing treatment fluctuations
- Contraindications: renal deficiency or CHF

PLASMA EXCHANGE^{1,2}

- **Treatment time:** 5 to 14 days
- Central line may be required
- Experienced team required
- Contraindications: septic shock or MI within 6 months

- Use of IVIg and PE is largely based on GBS clinical guidelines established through observational studies which have shown IVIg and PE may hasten recovery.²
- A Cochran analysis found no adequate comparisons of IVIg with placebo in adults, but did find moderate quality evidence that, in severe disease, IVIg started within two weeks from onset hastens recovery as much as PE.²

CHF, congestive heart failure; DVT, deep vein thrombosis; HFGS, Hughes functional grading scale; MI, myocardial infarction; PRES, posterior reversible encephalopathy syndrome; TRALI, transfusion-related acute lung injury;

*Treatment-related fluctuations refers to improvement in the HFGS score of ≥ 1 grade after completion of immunotherapy followed by worsening of the HFGS score of at least 1 grade within the first 2 months after disease onset. [†]TRALI is a rare and devastating complication of transfusion, defined as acute-onset respiratory distress after administration of blood products. IVIg-associated TRALI may contribute to accelerated deterioration or worse outcomes in some patients with GBS. *Not enough data to support second/prolonged dosing with IVIg

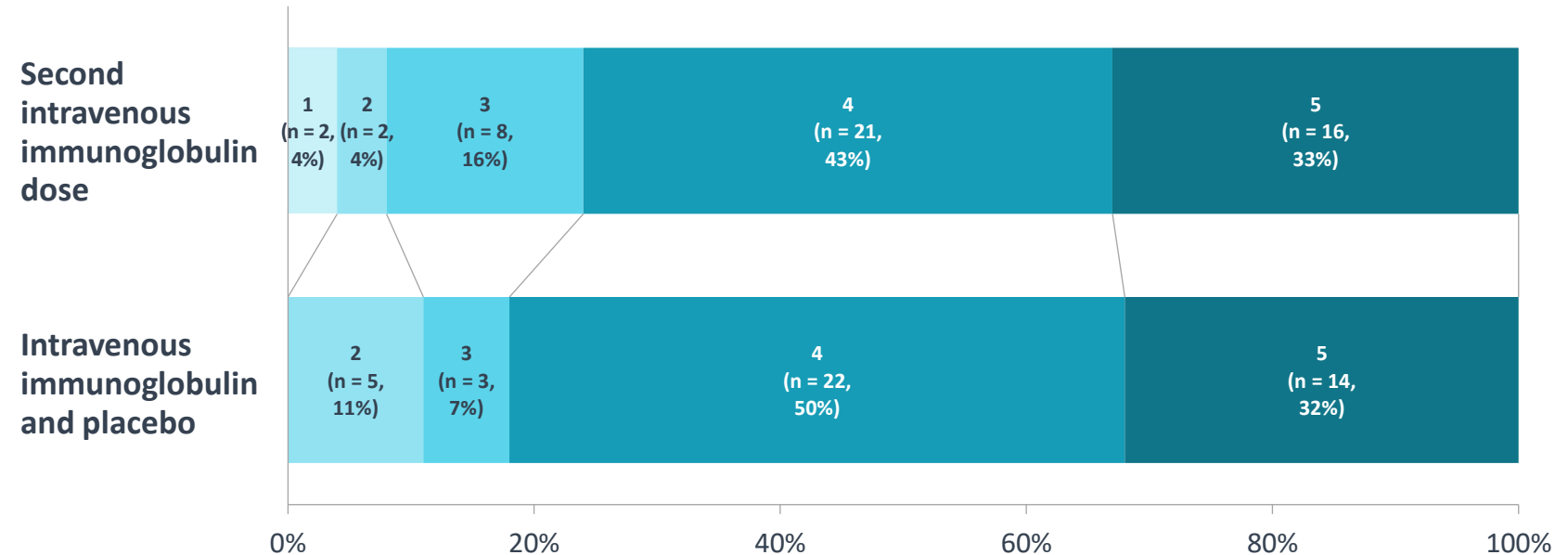
1. Shang P et al. *Front Pharmacol.* 2021;12:608130. 2. Hughes RA, Swan AV, van Doorn PA. Intravenous immunoglobulin for Guillain-Barré syndrome. *Cochrane Database Syst Rev.* 2014 Sep 19;2014(9):CD002063.

SID-GBS Trial Evaluated 2nd course of IVIg in Patients with GBS with Poor Diagnosis

Key Study Outcomes

- **No improvement in disability** at week 4 in re-treated group
- **More SAEs** (35% vs 16%) in re-treated group
 - Including thromboembolic events
 - N=4 died in the intervention group

Guillain-Barré Syndrome Disability Score

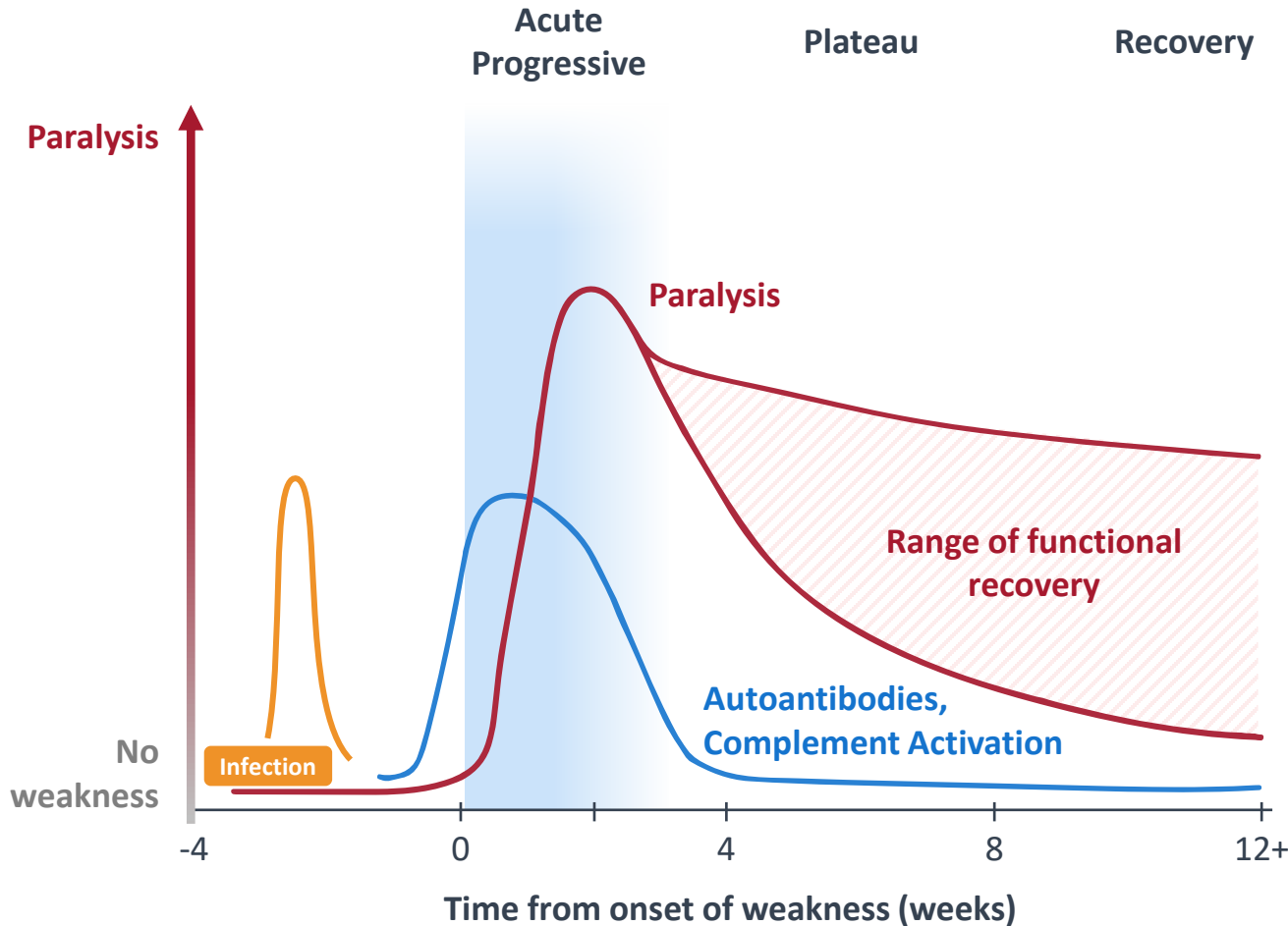


Guillain-Barré syndrome disability score at 4 weeks in the modified intention-to-treat population

Adapted from: Walgaard C et al. Lancet Neurology 2021

The Active Disease Phase Defines The Key Treatment Window

Acute disease phase of GBS is generally short and varies by patient



Acute Progressive Phase:

- Rapidly progressive bilateral muscle weakness peaking by 1 week in most cases and lasting up to 4 weeks

Plateau Phase:

- May include extended period of ventilation in ICU and intensive support care lasting weeks to months

Recovery Phase:

- Gradual muscle strength and functional improvement occurring over weeks to years as nerves repair

Adapted from van den Berg B et al. *Nat Rev Neurol.* 2014;10(8):469-482. and Leonhard SE et al. *Nat Rev Neurol.* 2019;15(11):671-683.

Role of Complement & Biomarkers in GBS Pathogenesis



Nick Silvestri, MD, FAAN
Professor of Neurology, Associate Dean
University at Buffalo

Disclosures

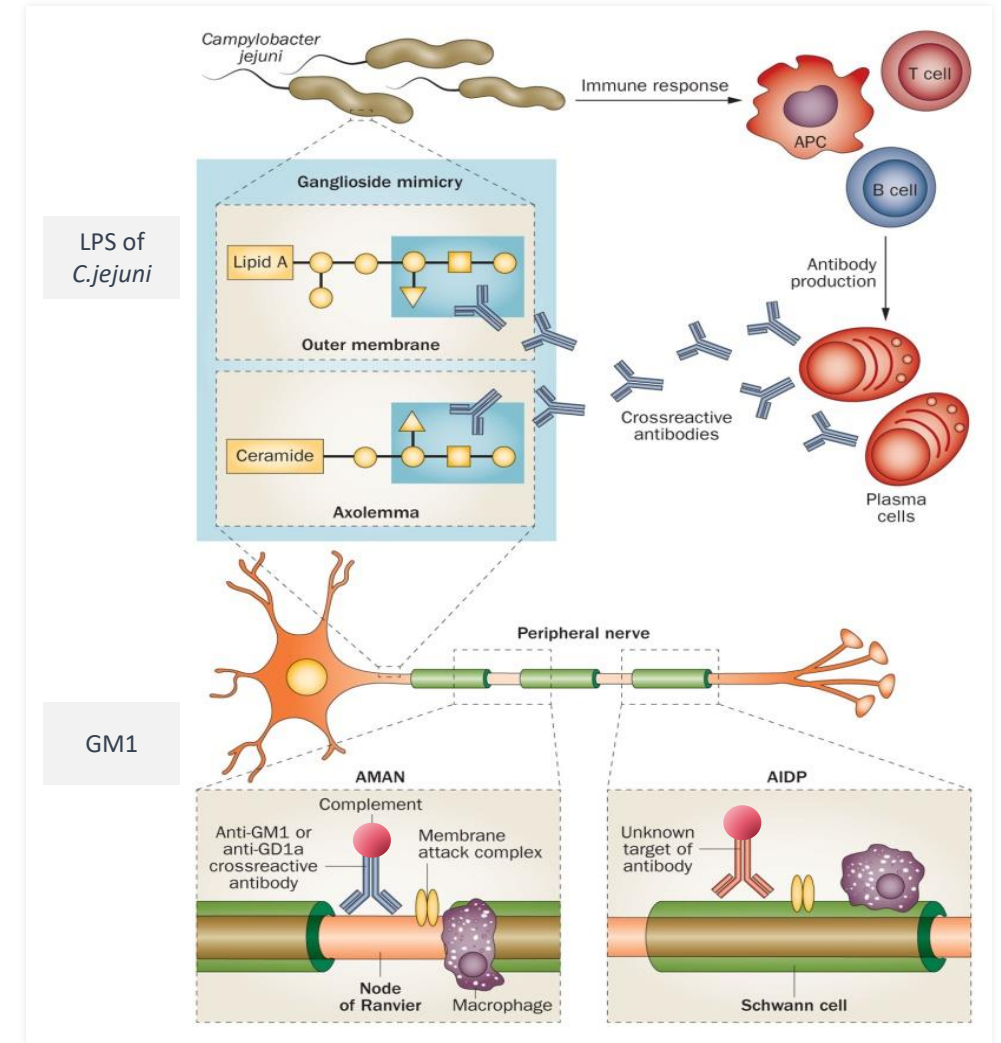
Nick Silvestri is a consultant for Alexion, Amgen, Annexon, argenx, Immunovant, Johnson & Johnson, UCB and a speaker for Alexion, argenx, UCB, and Takeda.

Autoantibodies Link the Trigger to Complement Mediated Nerve Damage in GBS

Antibodies generated against the antecedent infection **cross-react** with a range of glycolipids in myelin and axonal membrane

Antibodies bound to nerve cells **activate complement**

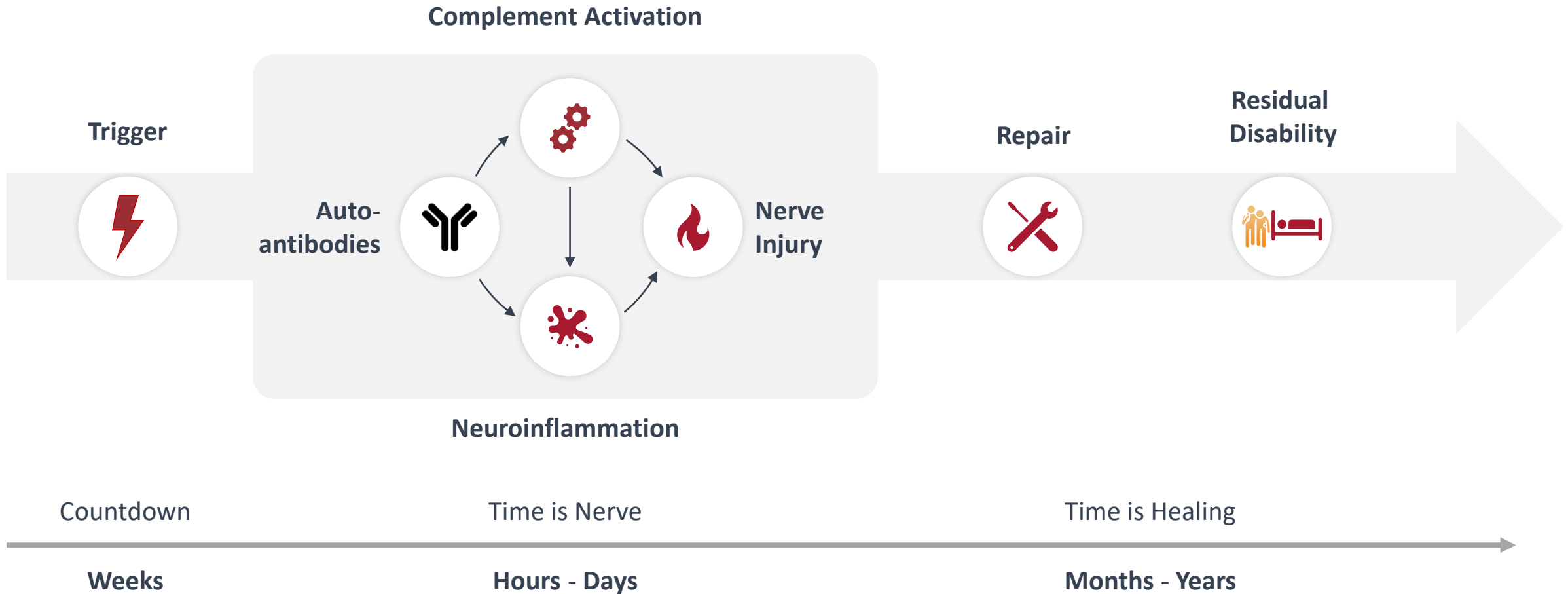
Complement activation causes neuroinflammation, nerve damage and destruction leading to common manifestations of GBS – **functioning as a common pathway across all GBS types**



¹Van den Berg et al., 2014; ²Halstead et al., 2016

Characterizing the Time Course of GBS

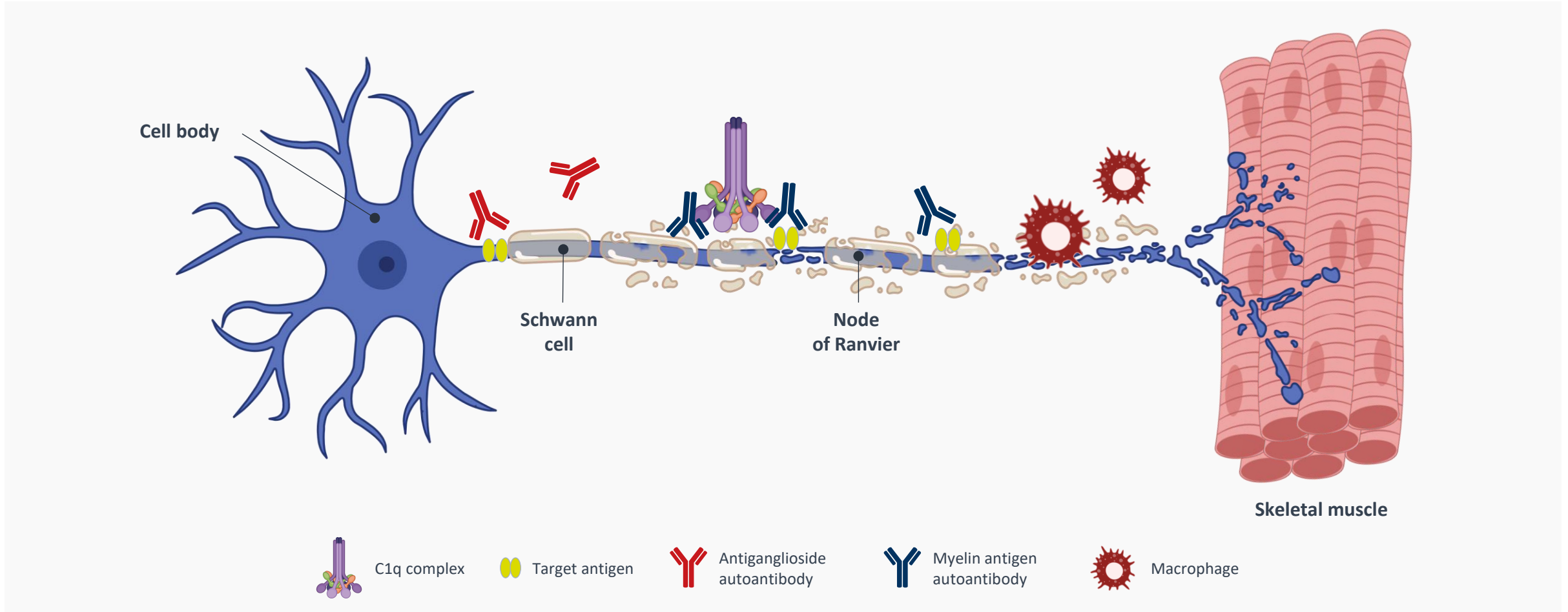
Degree of Nerve Damage During Acute Phase Determines Functional Outcome



Min YG, et al., Timing of intravenous immunoglobulin treatment and outcome in Guillain-Barré syndrome: Is time nerve? Muscle & Nerve. 2024;70(6):1215-1222

Complement Is a Key Mediator of Neuroinflammation and Nerve Destruction in GBS^{1,2}

C1q binds to IgG & IgM antibodies on nerve, activates classical complement pathway



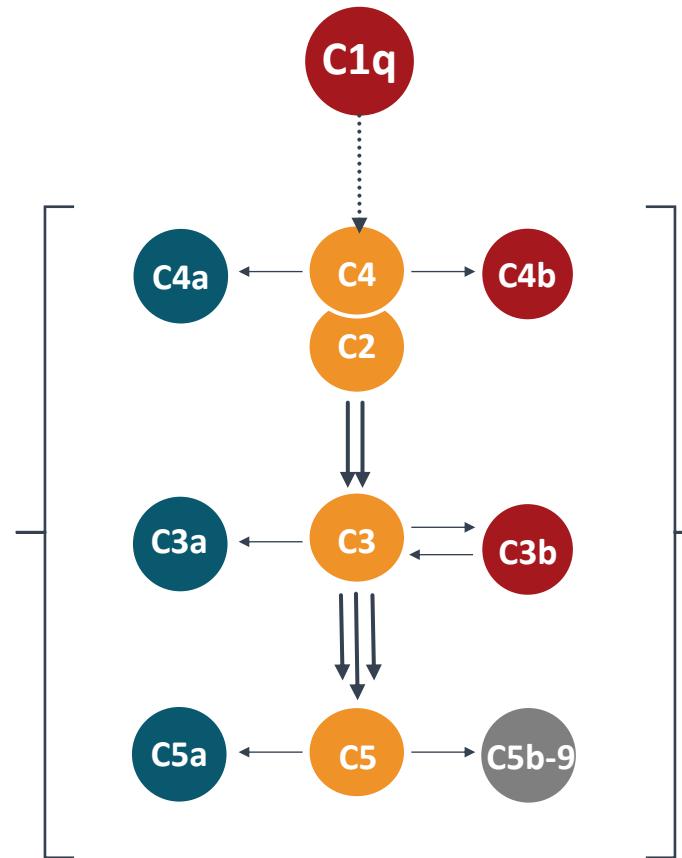
IgG, immunoglobulin G; IgM, immunoglobulin M. 1 Misawa S, Suichi T. *Clin Exp Neuroimmunol.* 2020;11(2):90-93. 2 Dalakas MC et al. *Nat Rev Neurol.* 2020;16(11):601-617.

C1q Drives Harmful Neuroinflammation and Nerve Damage

C1q Is the Initiating Molecule of the Classical Complement Pathway
C1q anchors to auto-antibodies on nerve surface and activates pathway

INFLAMMATION AND EDEMA

Local, immediate, complement and '1st responder' driven



NERVE DAMAGE & DESTRUCTION

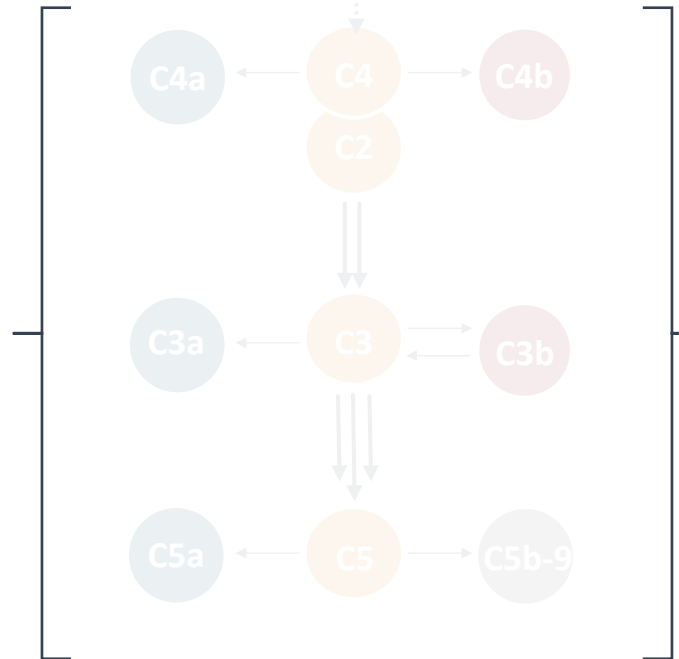
Recruitment of destructive cells including macrophages

C1q Drives Harmful Neuroinflammation and Nerve Damage

Tanrurubart Rapidly Shuts Down Activation of the *ENTIRE* Classical Complement Pathway on the Nerve



IMMEDIATE CESSATION OF INFLAMMATION AND EDEMA



HALT NERVE DAMAGE & DESTRUCTION

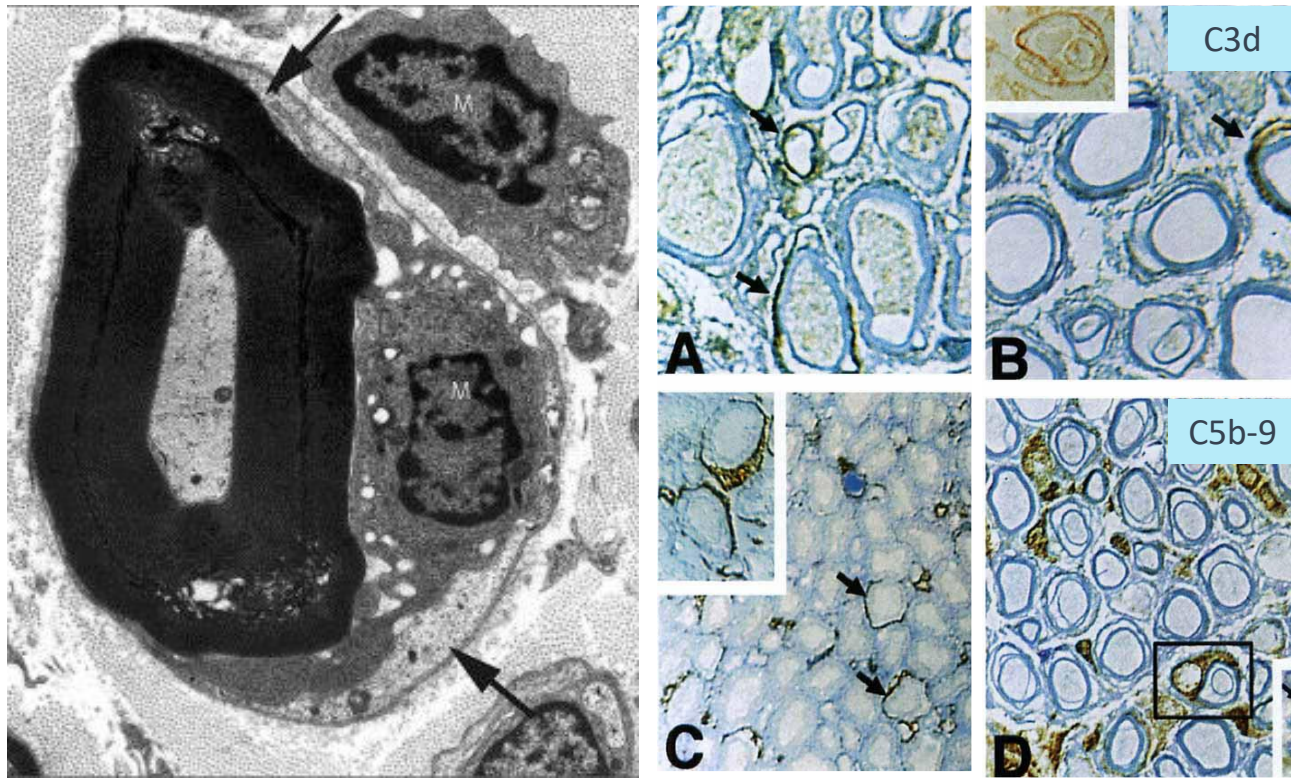
Allow for recovery phase and repair of damaged nerves

1. Lansita, et al., 2017; DOI: 10.1177/1091581817740873

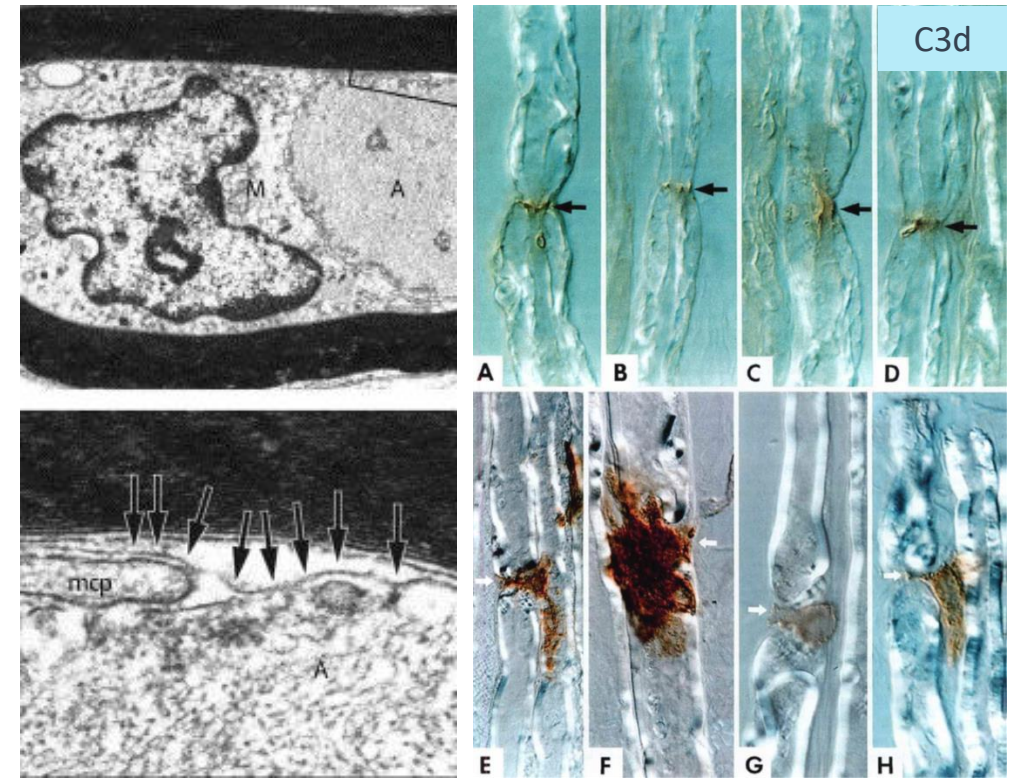
The Role of Complement in GBS Subtypes

C1q is activated by autoantibodies on axon and myelin

Acute Inflammatory Demyelinating Polyneuropathy (AIDP)



Acute Motor Axonal Neuropathy (AMAN)



¹Griffin et al. Ann Neurol 1994, ²Hafer-Macko et al. Ann Neurol 1997

What is the Relevance of GBS Subtypes for Treatment?

Histopathology rarely available

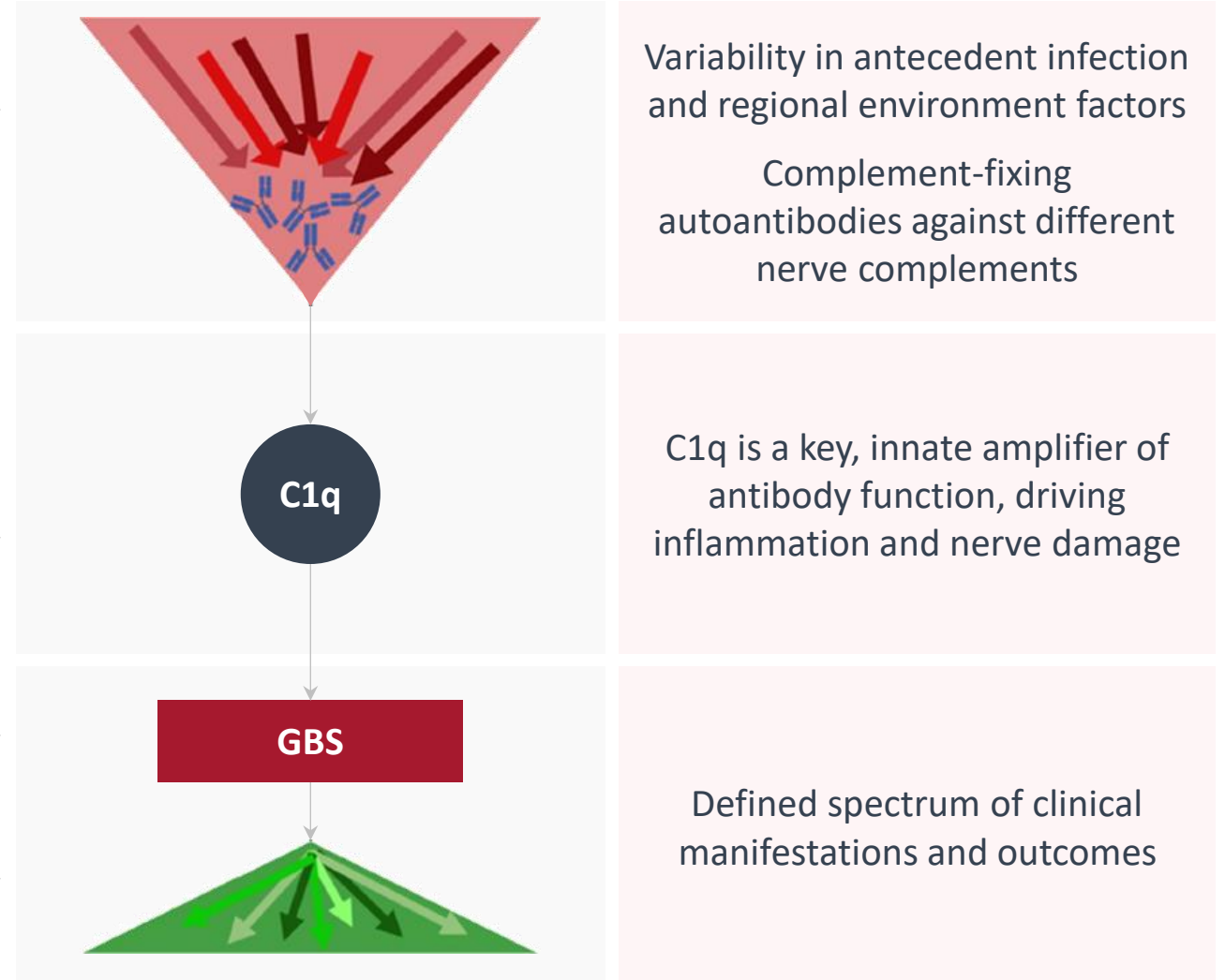
Nerve conduction studies

- Various sets of criteria in use
- Frequently equivocal subtype
- Subtype classification may change over time

Complement activated by C1q is involved in all subtypes (AMAN & AIDP)

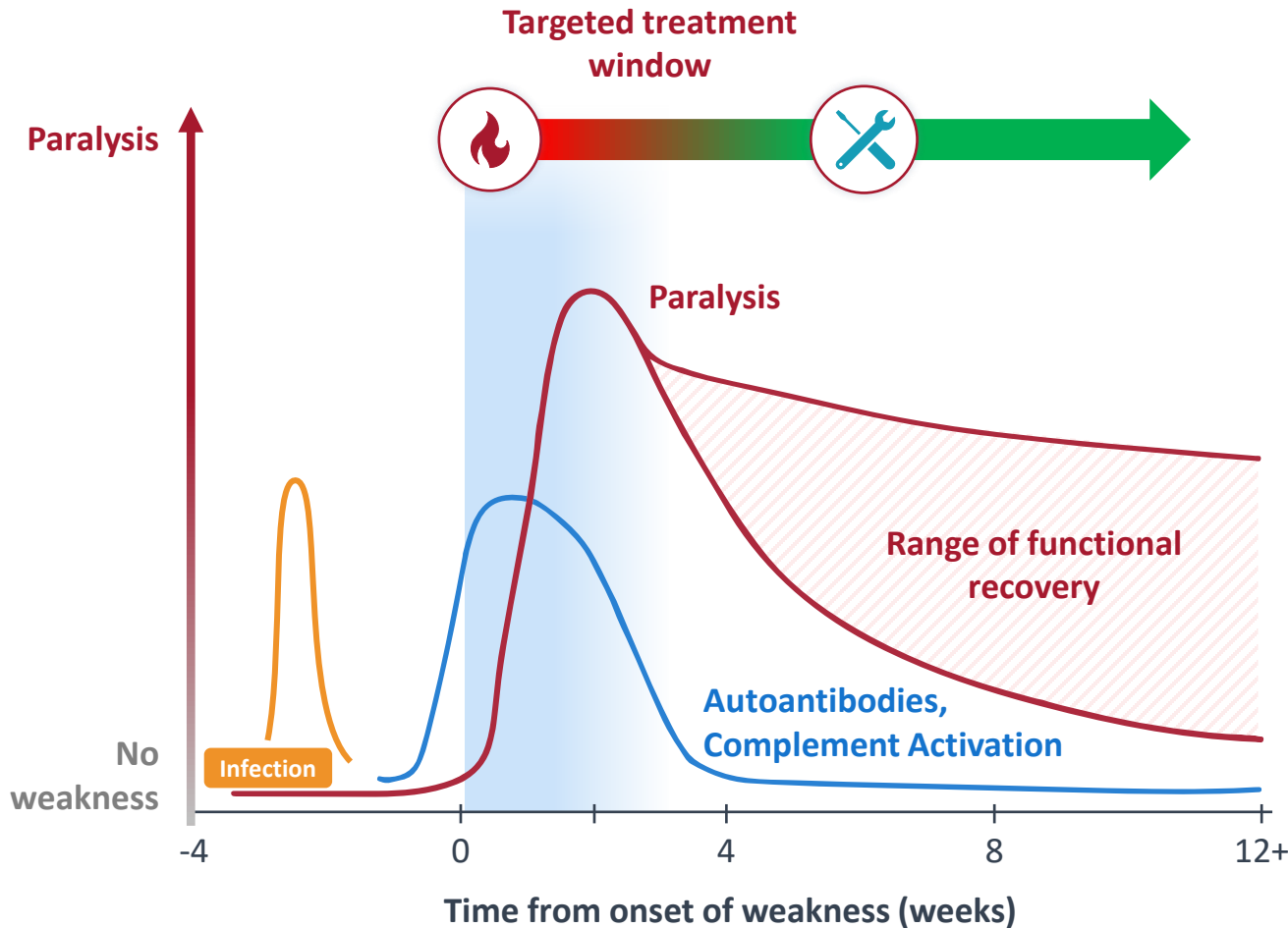
Treatment is the same

Limited independent prognostic value



Finding the Balance in GBS – Anti-inflammatory and Pro-Healing

Acute disease phase varies by patient but is generally short



Objectives of anti-C1q treatment in GBS

- ✓ **Block** complement-mediated nerve neuroinflammation, nerve damage and destruction during the acute disease
- ✗ **Do not block** complement during the healing phase when normal immune function is required

Target treatment window is likely short

¹van den Berg et al Nat Rev Neurol. 2014; ²Leonhard SE et al Nat Rev Neurol. 2019

The Treatment of Guillain-Barré Syndrome: New Insights into the role of C1q Inhibition



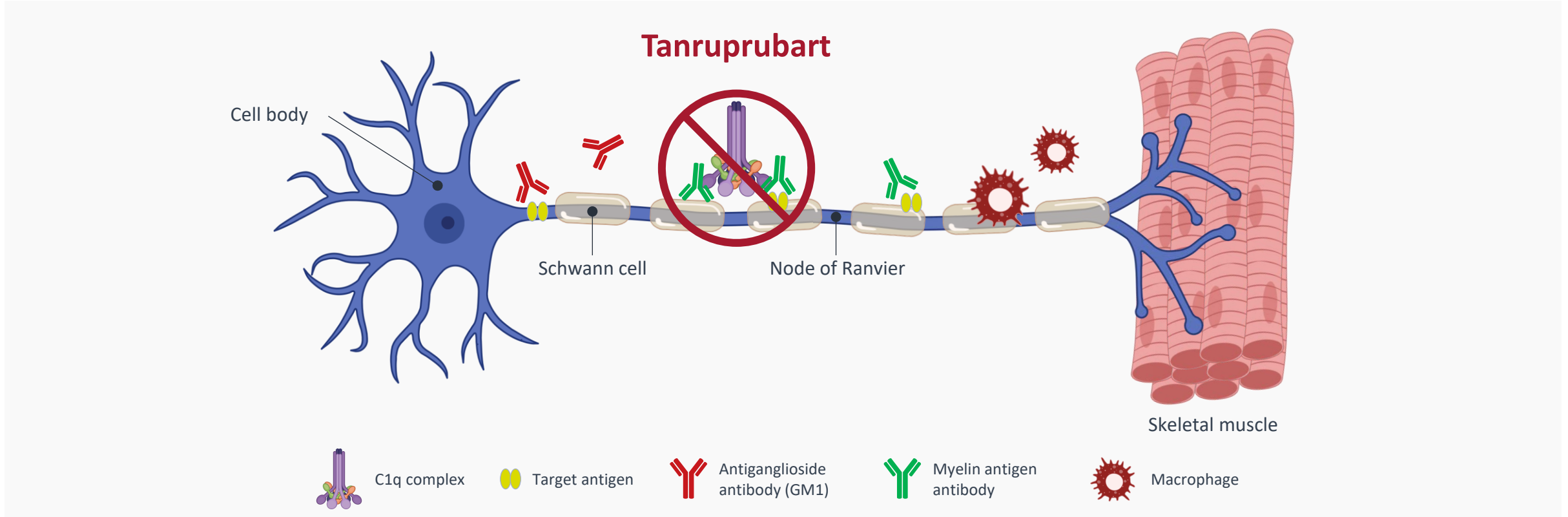
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Disclosures

Jeff Allen is a consultant for Alexion, Annexon, Alynlym, AstraZeneca, Argenx, Octapharma, CSL Behring, Takeda, Pfizer, Immunopharma, Immunovant, Grifols, Sanofi, and Johnson & Johnson.

A Single Dose of Tanruprubart (ANX005) Is Designed to Target C1q, Stopping the Classical Complement Pathway Where It Starts



Tanruprubart and its uses are investigational and have not been approved by the U.S. Food and Drug Administration. This information is presented only for purposes of providing a general overview of clinical trials and should not be construed as a recommendation for use of any product for unapproved uses.

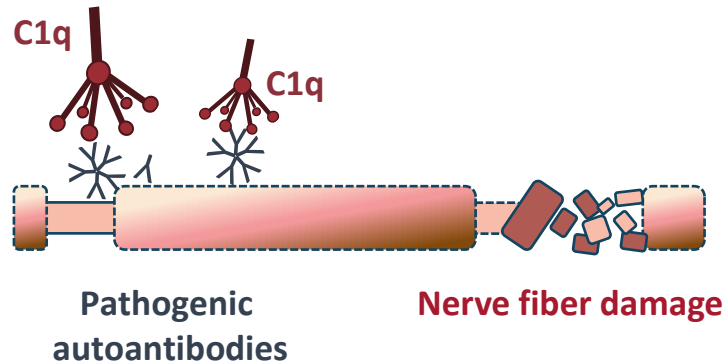
1. Lansita JA et al. *Int J Toxicol*. 2017;36(6):449-462. 2. Misawa S, Suichi T. *Clin Exp Neuroimmunol*. 2020;11(2):90-93. 3. Dalakas MC et al. *Nat Rev Neurol*. 2020;16(11):601-617.

Early and Rapid C1q Inhibition has the Potential to Slow Nerve Damage

GBS Active Disease Phase

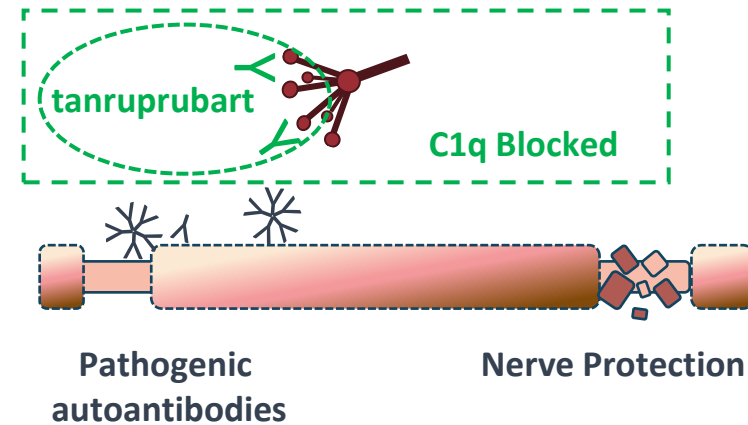
Complement mediates nerve damage

- C1q** →
- Classical complement activation
 - Nerve fiber damage
 - Tissue debris



Tanruprubarb During Effective Treatment Window

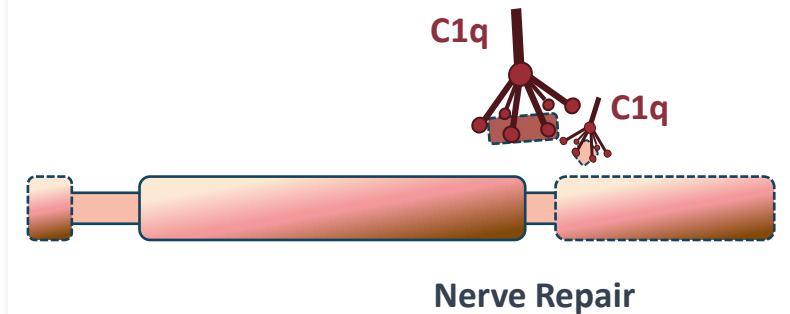
- C1q** →
- Full cascade blocked by tanruprubarb
 - 30mg/kg leads to 1 week of C1q suppression during active disease



GBS Recovery Phase

Complement facilitates nerve repair

- C1q** →
- Clears debris
 - Allows nerve regeneration
 - Facilitates remyelination & repair



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The Dose-Ranging Ph1b Study Laid Foundation for Phase 3 Trial

Phase 1b Study Design

Study Schematic

tanruprubarb 18-75 mg/kg (N=18)

placebo (N=8)

Day 1

Week 8

- Randomized, double-blind, placebo-controlled study
- N=26¹ Adults with GBS in Bangladesh
- Mean time from onset of weakness: 8.1 days
- Mean GBS-DS at baseline: 4¹

Key Learnings Applied to Phase 3

- ✓ Test 2 doses to evaluate efficacy with the lower dose
- ✓ Stratify by key prognostic factors
 - ✓ MRC sumscore
 - ✓ Time from onset of weakness
- ✓ Treat as early as possible (day of randomization)

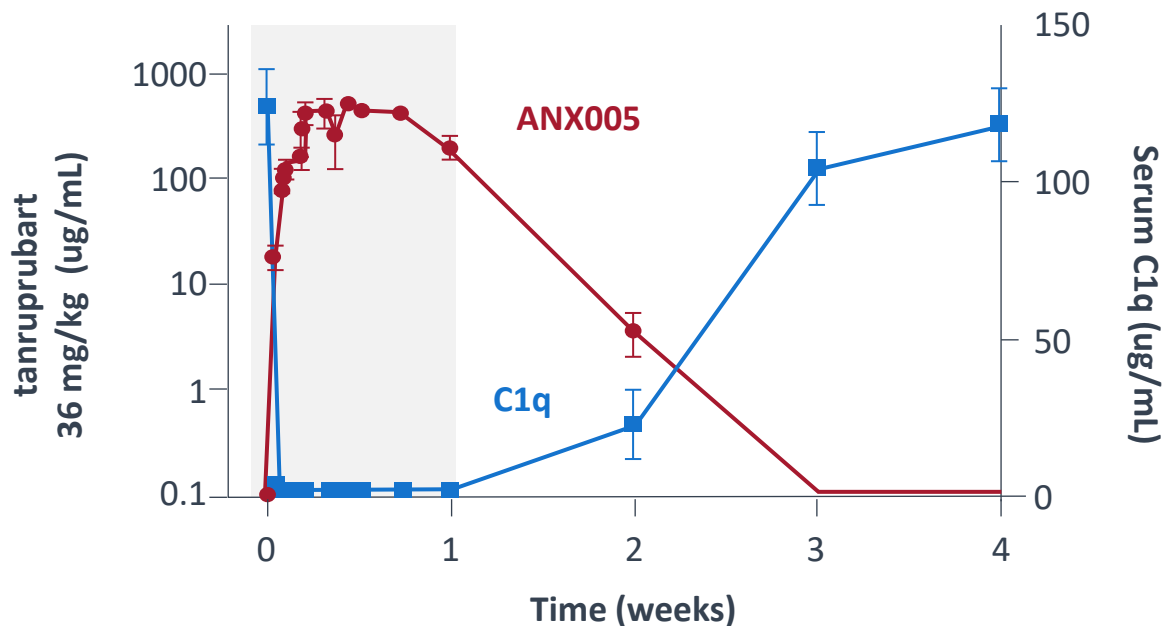
Phase 3 Designed to Define the Appropriate Duration of Complement Inhibition in GBS

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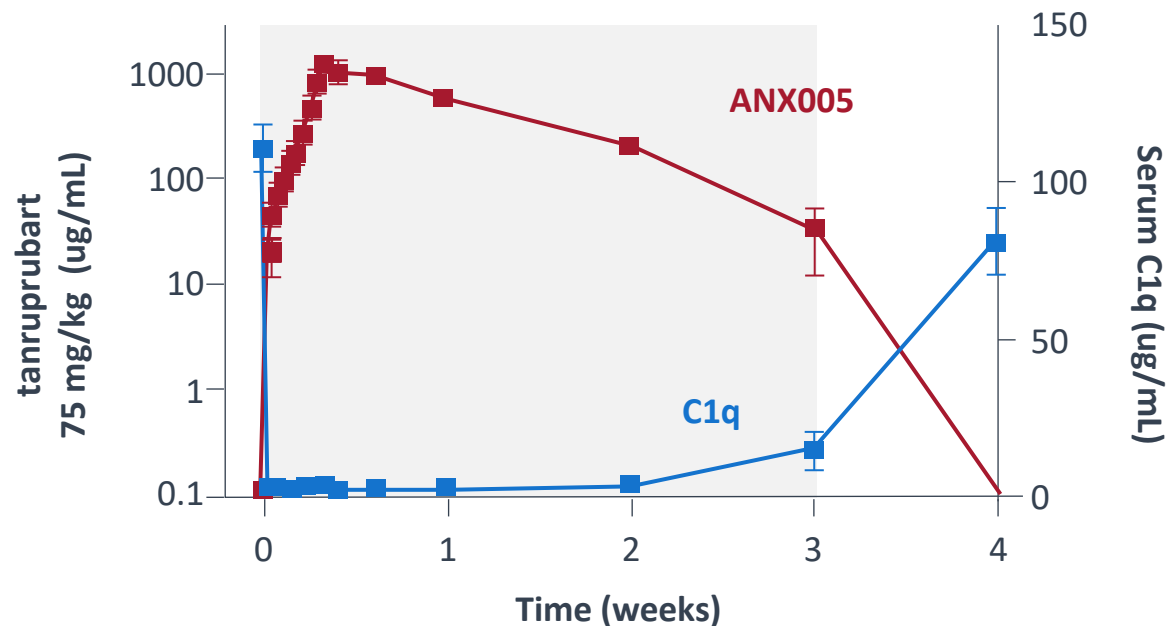
¹18-75mg/kg double-blinded dose cohorts

Single Dose of Tanrurubart Blocks Complement on Day 1 Independent of Dose

Shorter C1q Inhibition (36 mg/kg)



Longer C1q Inhibition (75 mg/kg)



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Pivotal Phase 3 Trial Design

Randomized, Double-Blind, Placebo-Controlled Study

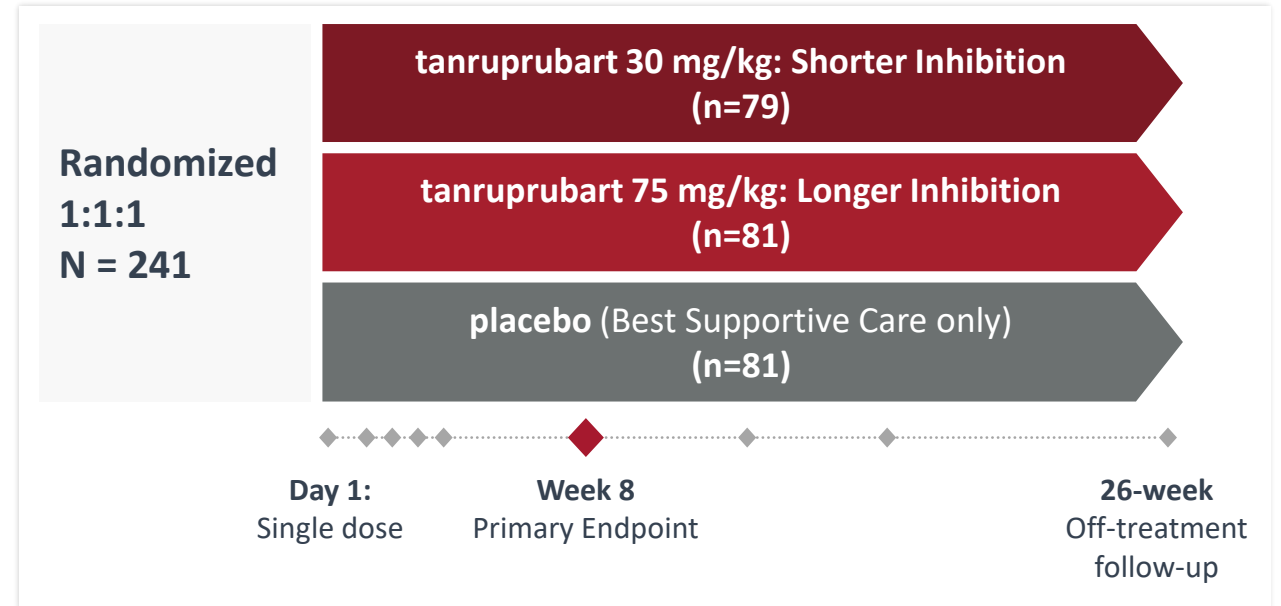
Patient Selection

- GBS Disability Score 3, 4 or 5
- <10 days from onset of weakness
- Not eligible to receive IVIg or PE
- Stratified by baseline prognostic factors: muscle strength and time from onset of weakness

Key Endpoints

Primary Outcome Measure GBS-DS at Week 8 analyzed using a 3-level proportional odds model

Secondary Endpoints Muscle strength (MRC sumscore), Motor Disability (ONLS), Duration of Ventilation

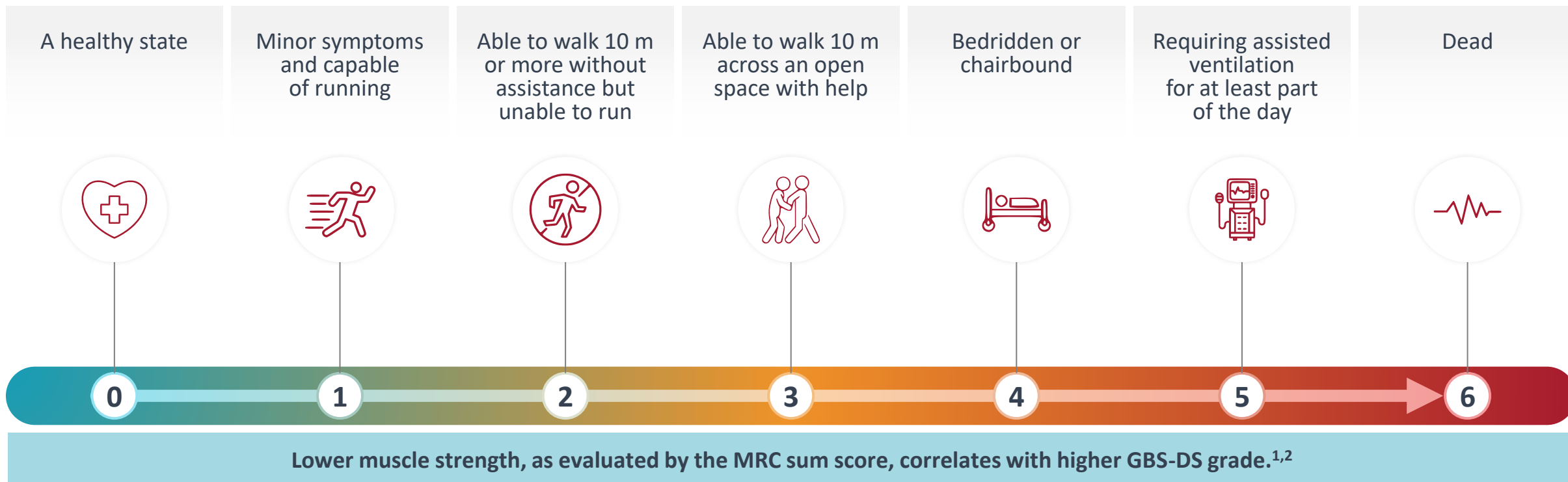


Conducted at sites in Bangladesh and the Philippines

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GBS Disability Scale (GBS-DS) is Used to Assess the Functional Status in Patients With GBS

GBS-DS GRADES¹



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GBS-DS, GBS disability score; MRC, Medical Research Council.. 1. van Koningsveld R et al. *Lancet Neurol.* 2007;6(7):589-594. 2. Kleyweg RP et al. *Muscle Nerve.* 1991;14(11):1103-1109.

GBS-DS 3-Point Scale (Trichotomy) Used in Assessing Treatment Benefit

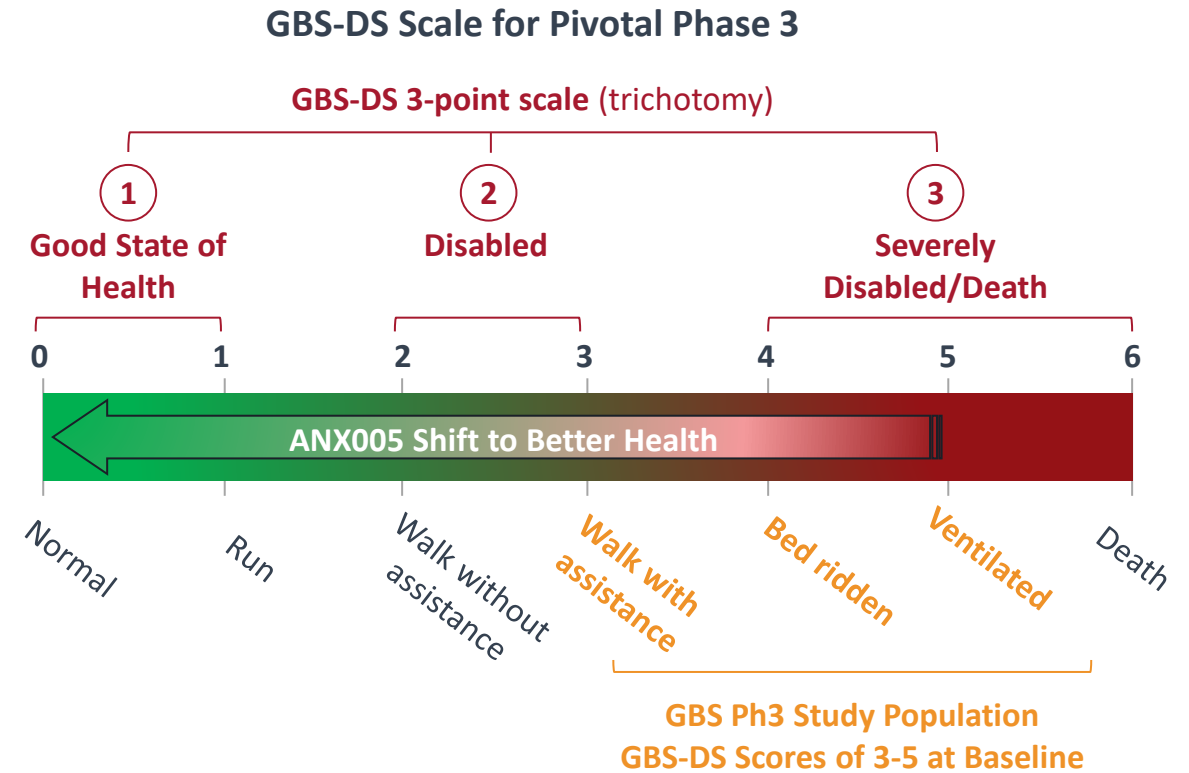
GBS-DS is a Well-Accepted Endpoint

GBS-DS Overview

- Validated endpoint that assesses functional status of patients with GBS
- Consists of 7 mutually exclusive grades: 0 (healthy) to 6 (death)
- FDA alignment to use GBS-DS as Ph3 Primary Endpoint at week 8

GBS-DS Scale Collapsed into 3 Categories Enhances Clinical Interpretability

- **Approach:** Collapse 7-point scale to a 3-point scale (trichotomy)
 - 0-1: Good State of Health
 - 2-3: Disabled
 - 4-6: Severely Disabled/Death
- **Rationale:**
 - ✓ **Enhances clinical interpretability** by focusing on a **subject's actual health status at week 8** after receiving tanruprubart or placebo



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Baseline Characteristics Similar and Well Balanced Across Treatment Groups

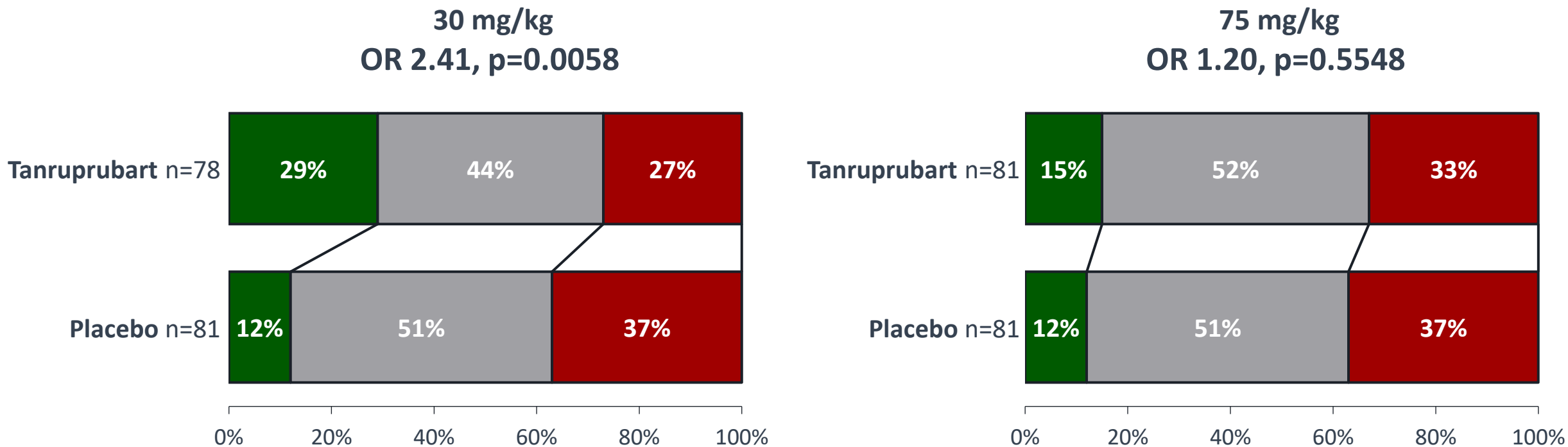
Stratified by Key Prognostic Factors: MRC Sumscore and Time Since Onset of Weakness

Baseline Characteristic	placebo (n=81)	tanruprubarb 30mg/kg (n=79)	tanruprubarb 75mg/kg (n=81)
Age at screening, years, mean (SD)	34.2 (12.59)	36.9 (14.88)	37.9 (15.29)
Male sex, n (%)	57 (70.4)	51 (64.6)	51 (63.0)
Baseline GBS-DS score, n (%)			
3 Able to walk 10 meters across open space with help	7 (8.6)	12 (15.2)	10 (12.3)
4 Bedridden or chair bound	64 (79.0)	56 (70.9)	60 (74.1)
5 Requiring assisted ventilation for at least part of the day	10 (12.3)	11 (13.9)	11 (13.6)
Baseline MRC sumscore (range, 0-60), n (%)			
0-20	38 (46.9)	38 (48.1)	37 (45.7)
21-60	42 (51.8)	41 (51.9)	44 (54.3)
Time since of onset of weakness to treatment Days, mean (SD)	6.5 (1.7)	6.3 (1.9)	6.6 (2.0)
Electrophysiology by Hadden criteria, n (%)			
AIDP	18 (22.2)	16 (20.3)	16 (19.8)
AMAN	49 (60.5)	50 (63.3)	50 (61.7)
Other	14 (17.3)	13 (16.5)	15 (18.5)

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Primary Endpoint: tanruprubart 30 mg/kg Showed Significant Improvement on GBS-DS at Week 8

Primary Endpoint: 2.4-Fold Higher Likelihood of Being in a Better State of Health Relative to Placebo



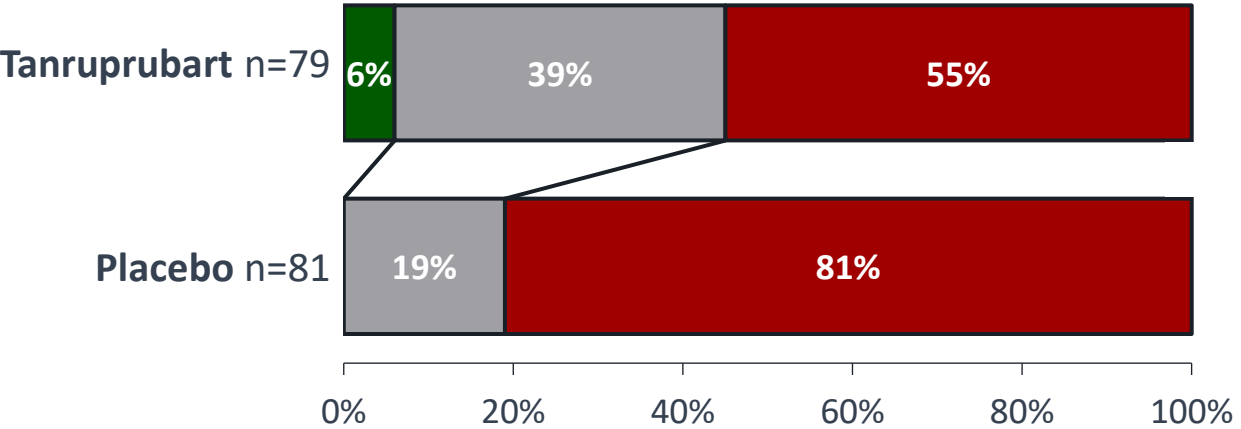
Approach: Collapse 7-grade scale to a 3-grade scale (trichotomy)

■ 0-1: Good state of health ■ 2-3: Disabled ■ 4-6: Severely disabled/death

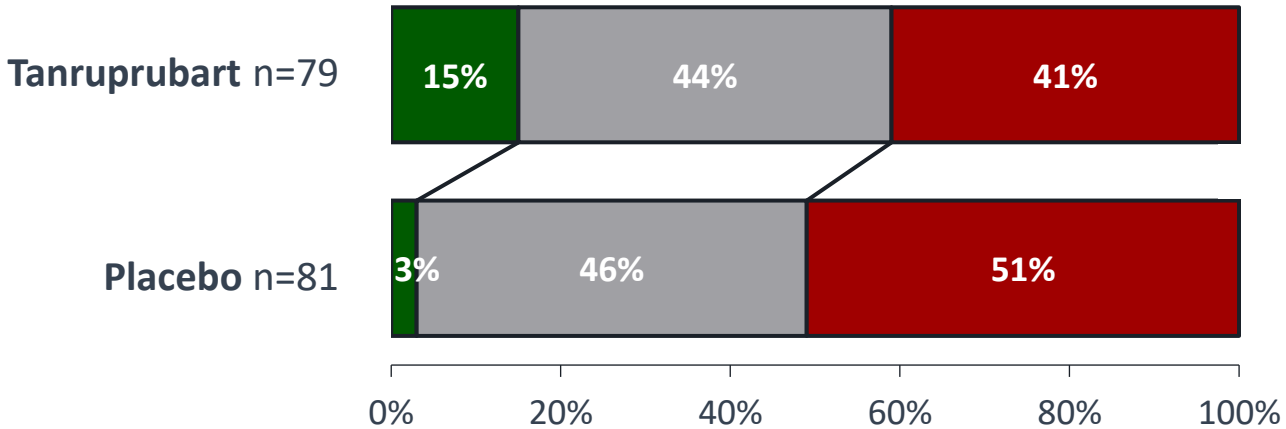
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Treatment Effect with Tanruprubart 30 mg/kg on GBS Disability Scale During the Early Phase of GBS

Week 1: OR 7.2 (3.07-16.96), p<0.0001¹



Week 4: OR 2.5, (1.28-4.86) p=0.0073¹



0-1: Good state of health
 2-3: Disabled
 4-6: Severely disabled/death

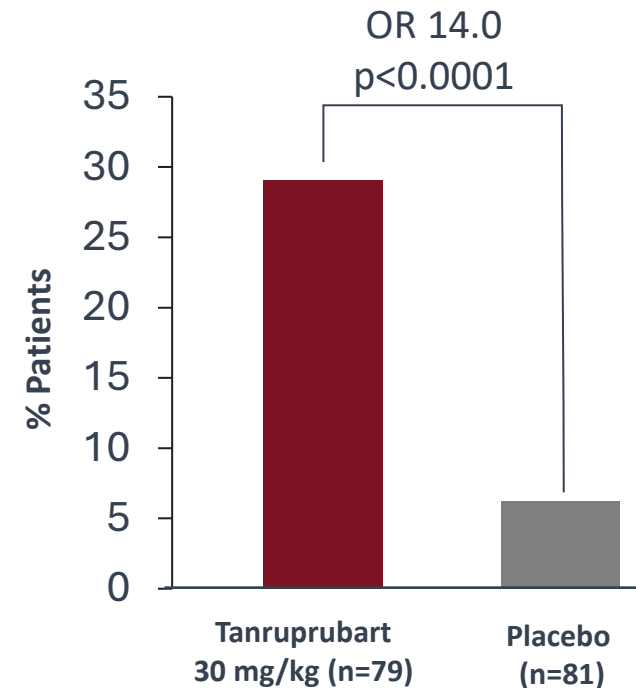
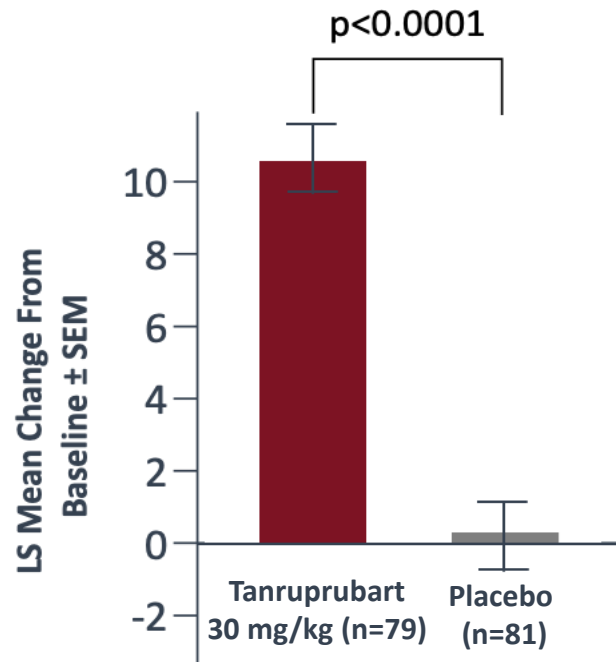
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¹Nominal

Tanruprubart (ANX005) 30 mg/kg Provided Early Recovery of Muscle Strength and Motor Function

MORE THAN A 10-POINT IMPROVEMENT IN MUSCLE STRENGTH (MRC SUMSCORE)¹ OVER PLACEBO AT WEEK 1

14 TIMES MORE LIKELY TO PERFORM TIMED UP AND GO (TUG) AT WEEK 1



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¹LS mean point improvement relative to placebo

Treatment Effects of Tanruprubart 30 mg/kg vs. Placebo

Pre-specified Analyses	Unit	At Week 1		At Week 4		At Week 8		Through Week 26 (MMRM)	
GBS-DS	Odds Ratio	OR ¹ : 7.22	p<0.001 ³	OR ¹ : 2.49	p=0.0073 ³	OR¹: 2.41	p=0.0058	OR ¹ : 1.49	p=0.0120 ³
MRC	Point Improvement	10 points²	p<0.0001³	5.4 points ²	p=0.0026 ³	4 points²	p=0.0351³	5.4 ²	p=0.0010 ³
ONLS	Point Improvement	-2.1 points ²	p<0.0001 ³	-1.1 points ²	p=0.0154 ³	-0.8 points²	p=0.0965³	-1.1 ²	p=0.0063 ³
Ventilation	Median Days	N/A						28 days reduction⁴	p=0.0356³

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¹Odds Ratio: Likelihood that a patient on ANX005 is in a better state of health relative to placebo

²LS mean difference relative to placebo

³P-values for nominal testing using 2-sided $\alpha=0.05$

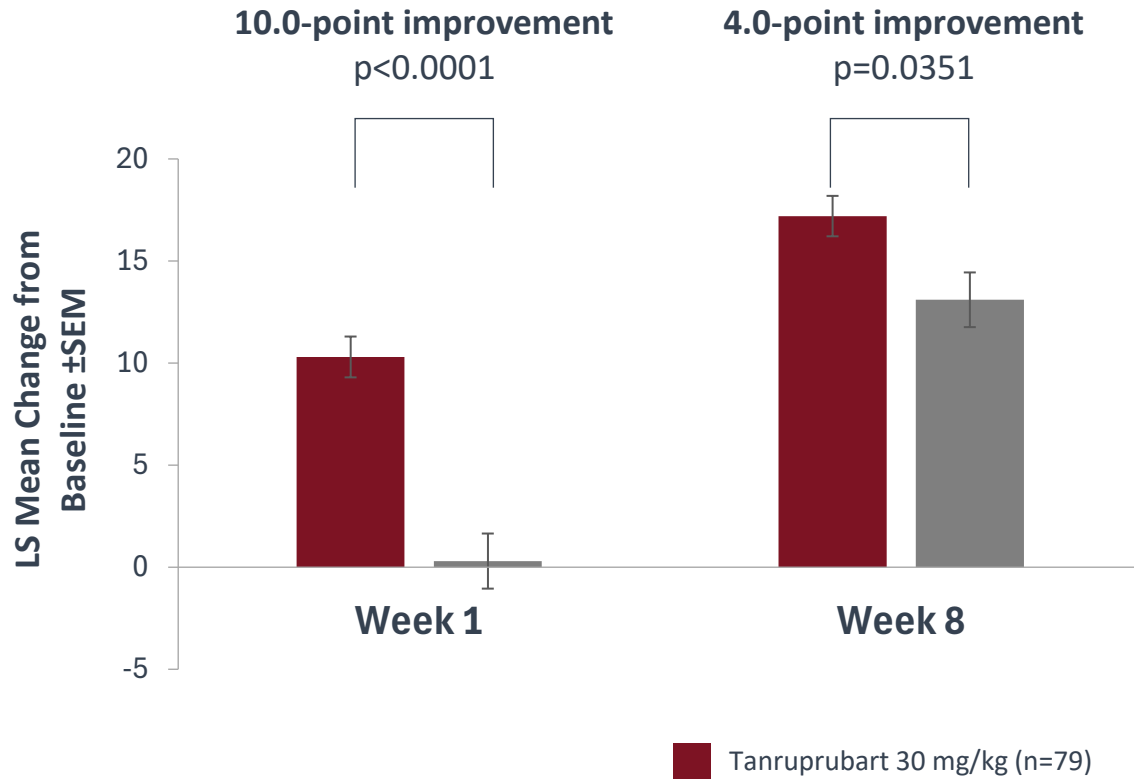
⁴For those requiring ventilation

⁵LS Mean percent reduction

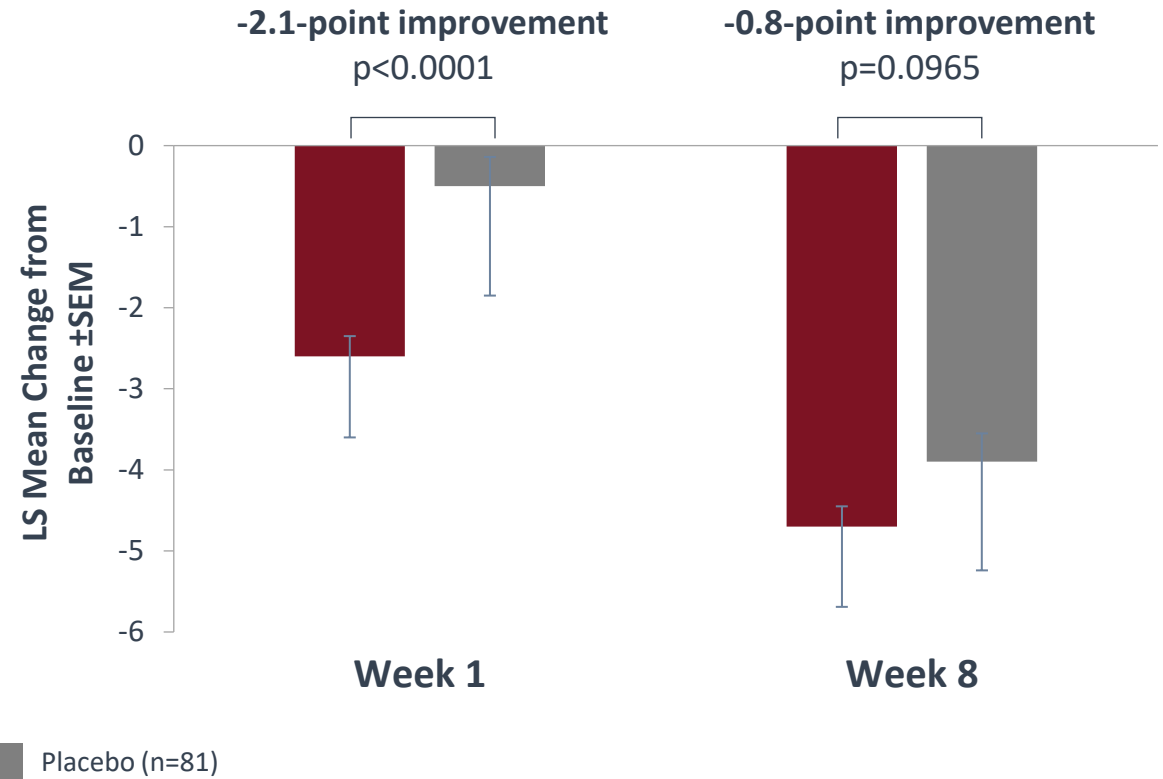
GBS-DS, Guillain-Barré Syndrome Disability Score; MRC, Medical Research Council; ONLS, overall neuropathy limitations scale.

Key Secondary Endpoints Demonstrated Treatment Benefit

Improvement in Muscle Strength (MRCs)¹



Reduced Motor Disability (ONLS)¹



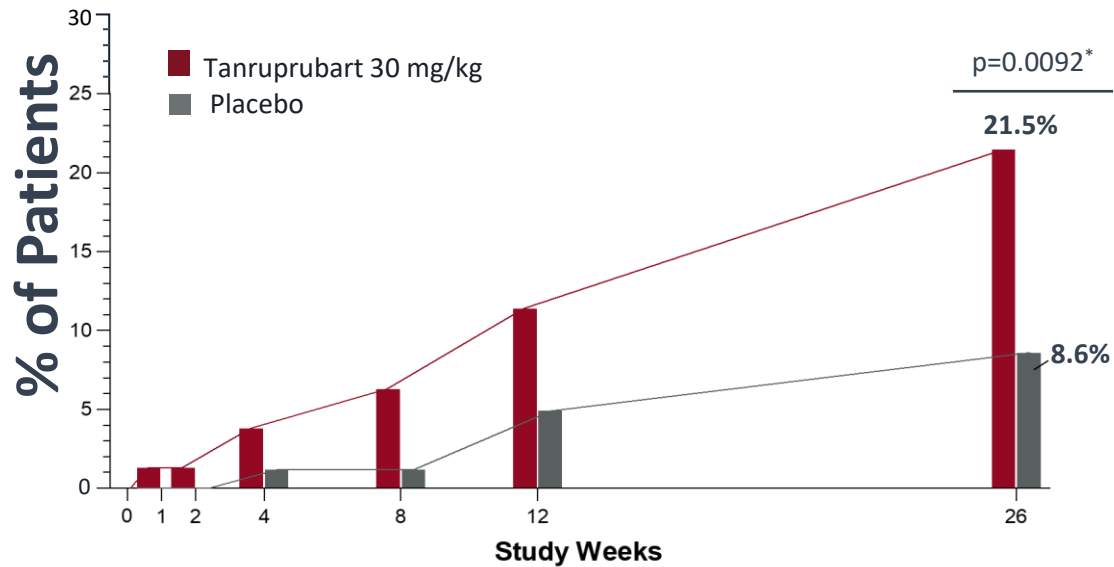
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¹ONLS - Overall Neuropathy Limitation Scale

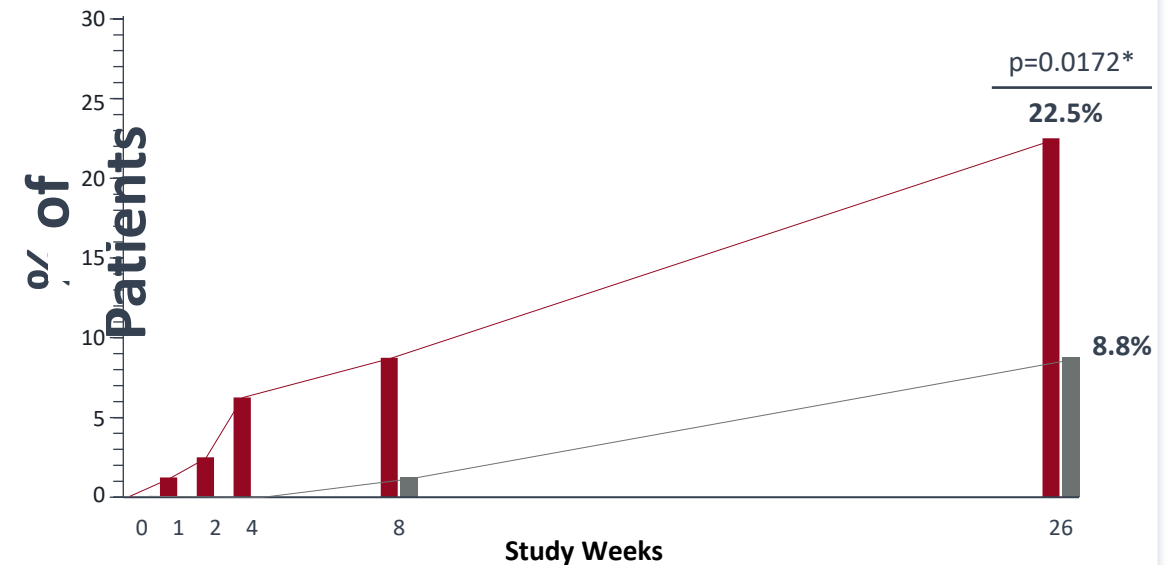
Tanruprubart (ANX005) Treatment Effect is Durable Across Multiple Measures of Function and Mobility

~2X+ times more treated patients fully recover on multiple measures at week 26

FULL RECOVERY GBS-DS=0



NO LIMITATIONS ONLS (TOTAL SCORE=0)



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Effect of Tanruprubart 30 mg/kg on Key Outcomes

Helping Patients Achieve Their Independence Sooner



Walking independently earlier

31 days earlier¹, p=0.0211²

Tanruprubart
30 mg/kg: n=79

Placebo
n=81



Off ventilation earlier

28 days earlier³, p=0.0356²

Tanruprubart
30 mg/kg: n=15

Placebo
n=15



Fewer days in ICU

7 fewer days⁴, p=ns

Tanruprubart
30mg/kg: n=18

Placebo
n=19



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ICU, intensive care unit; ns, not significant.

¹Based on first scheduled visit of recording ²Nominal ³Among patients ventilated ⁴Among patients requiring ICU

Tanruprubart (ANX005) Was Generally Well-Tolerated

Majority of AES were mild (GRADE 1) to moderate (GRADE 2)

- Most common related events were infusion-related reactions
 - Majority were mild transient rashes
- SAEs and Grade 3 AEs balanced across groups, characteristic of disease morbidity

Deaths

- No difference observed in incidence of all-cause mortality — 3 deaths in each dose group
 - Mortality rate of 3.7% consistent with rates seen in clinical trials

	Placebo n=81	Tanruprubart 30 mg/kg n=79	Tanruprubart 75 mg/kg n=81
	All Grades	All Grades	All Grades
Number of subjects reporting TEAEs, n (%)	79 (97.5)	79 (100.0)	80 (98.8)
Number of subjects with infusion-related reaction, n (%)	4 (4.9)	24 (30.4)	32 (39.5)
Rash (most common with IRR)	2 (2.5)	20 (25.3)	25 (30.9)
Most common TEAEs (non-IRR), n (%)			
Blood CPK increased	46 (56.8)	44 (55.7)	35 (43.2)
Musculoskeletal pain	35 (43.2)	36 (45.6)	26 (32.1)
ALT increased	23 (28.4)	21 (26.6)	23 (28.4)
Urinary tract infection	18 (22.2)	19 (24.1)	18 (22.2)
Hypokalemia	24 (29.6)	16 (20.3)	11 (13.6)
Constipation	10 (12.3)	15 (19.0)	17 (21.0)
AST increased	16 (19.8)	11(13.9)	17 (21.0)

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AE, adverse event; ALT, alanine aminotransferase; AST, aspartate aminotransferase; CPK, creatinine phosphokinase; IRR, infusion-related reaction; SAE, serious adverse event; TEAE, treatment-emergent adverse event; UTI, urinary tract infection.

Panel Discussion



Jeff A. Allen, MD

Professor of Neurology

University of Minnesota



Avni Kapadia, MD

**Assistant Professor of
Neurology**

Baylor College of Medicine



Nick Silvestri, MD, FAAN

**Professor of Neurology,
Associate Dean**

University at Buffalo

Thank You!

