

ANNEXON

biosciences

GAME-CHANGING MEDICINES
FOR COMPLEMENT-
MEDIATED DISEASES

INVESTOR PRESENTATION
MARCH 2023

Nasdaq: ANNX



Forward-Looking Statements

This presentation contains “forward-looking” statements about Annexon, Inc. and our industry that involve substantial risks and uncertainties. All statements other than statements of historical facts, including statements regarding our clinical and preclinical programs, timing and commencement of future nonclinical studies and clinical trials and research and development programs, timing of clinical results, strategic plans for our business and product candidates, including additional indications which we may pursue, our financial position, runway and anticipated milestones, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “aim,” “anticipate,” “assume,” “believe,” “contemplate,” “continue,” “could,” “design,” “due,” “estimate,” “expect,” “focus,” “goal,” “intend,” “may,” “objective,” “plan,” “positioned,” “potential,” “predict,” “seek,” “should,” “target,” “will,” “would” and other similar expressions that are predictions of or indicate future events and future trends, or the negative of these terms or other comparable terminology.

Forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties that could cause actual results and events to differ materially from those anticipated, including, but not limited to, risks and uncertainties related to: our history of net operating losses; our ability to obtain necessary capital to fund our clinical programs; the early stages of clinical development of our product candidates; the effects of COVID-19 or other public health crises on our clinical programs and business operations; our ability to obtain regulatory approval of and successfully commercialize our product candidates; any undesirable side effects or other properties of our product candidates; our reliance on third-party suppliers and manufacturers;

the outcomes of any future collaboration agreements; and our ability to adequately maintain intellectual property rights for our product candidates. These and other risks are described in greater detail under the section titled “Risk Factors” contained in our Quarterly Report on Form 10-Q filed with the Securities Exchange Commission (SEC) on November 3, 2022 and our other filings with the SEC from time to time. All forward-looking statements in this presentation speak only as of the date of this presentation. Except as required by law, we undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, future events or otherwise.

This presentation concerns drug candidates that are under clinical investigation, and which have not yet been approved for marketing by the U.S. Food and Drug Administration (FDA). These are currently limited by federal law to investigational use, and no representation is made as to their safety or effectiveness for the purposes for which they are being investigated.

This presentation also contains estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates or statistical data. Neither we nor any other person makes any representation as to the accuracy or completeness of such data or undertakes any obligation to update such data after the date of this presentation.

**A bold mission to
free the body, brain
and eye from
complement-
mediated disease**



Annexon Overview: On a Mission to Drive Significant Value

Pioneering Classical Complement Platform in Autoimmunity, Neurodegeneration & Ophthalmology

- Complement clinically / commercially validated with downstream approaches (C1s, C3, C5)
- ANNX building on prior learnings to block both up & downstream complement where it starts
 - Pursuing indications where (i) C1q localizes on disease tissue to anchor complement activation & (ii) complement activity drives disease progression
- Multi-faceted 'beach-head' portfolio with 'informed signal finding' and 'confirming' trials
- Clinical POC with lead drug candidate (ANX005) in multiple indications: GBS, HD, CAD, ALS

Significant 'Enterprise Value' Potential with multiple drivers over the next 3 years

- Targeting both Orphan and large patient population diseases with 4 Flagship Programs -- ~\$10B market opportunity*
- Multiple expected value driving clinical readouts over 2023 & 2024, including GA & GBS efficacy trials
- Potential 1st-in-class GBS commercialization & initiation of potential 1st-in-class anti-complement HD trial
- Potential 1st-in-class oral compound for Autoimmune diseases

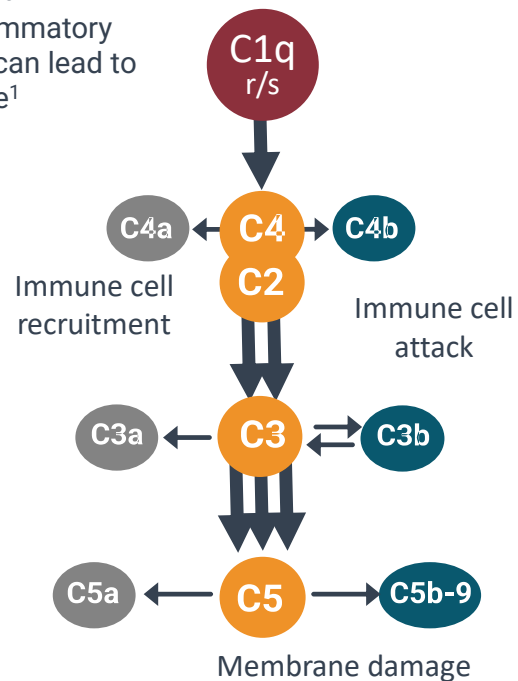
Well-Capitalized with Additional Opportunities

- Robust IP estate
- Wholly-owned with specific therapeutic-area partnering opportunities

Revolutionizing Complement Biology in Pursuit of Our Mission

Targeting C1q & classical complement cascade to treat autoimmune and neurodegenerative disease

C1q initiates a powerful inflammatory cascade that can lead to tissue damage¹

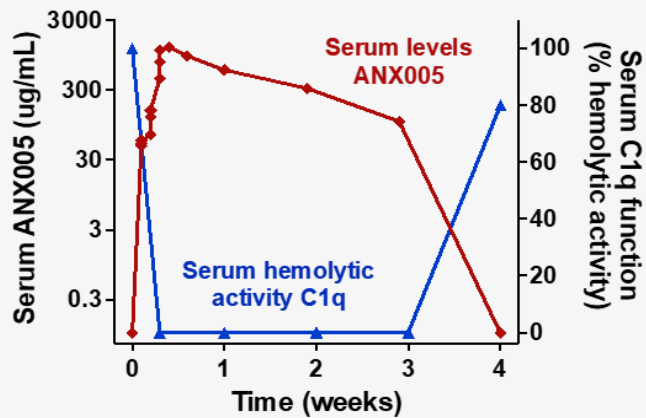


- Complement inhibition is a validated clinical and commercial approach
- Annexon's next-generation approach **blocks both upstream & downstream** complement for enhanced outcomes

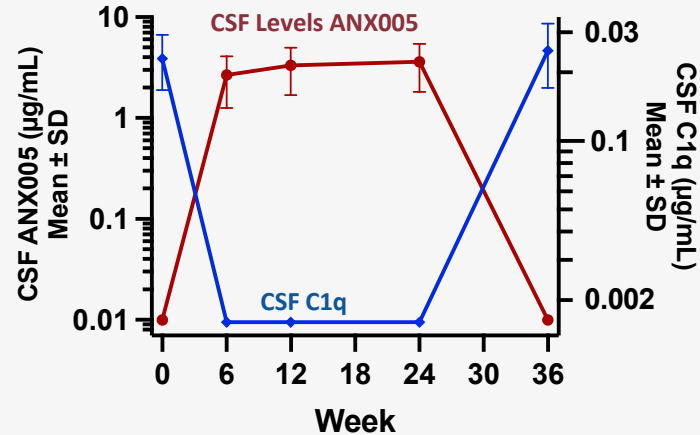
Robust Clinical Target Engagement of C1q Demonstrated in the Body, Brain & Eye



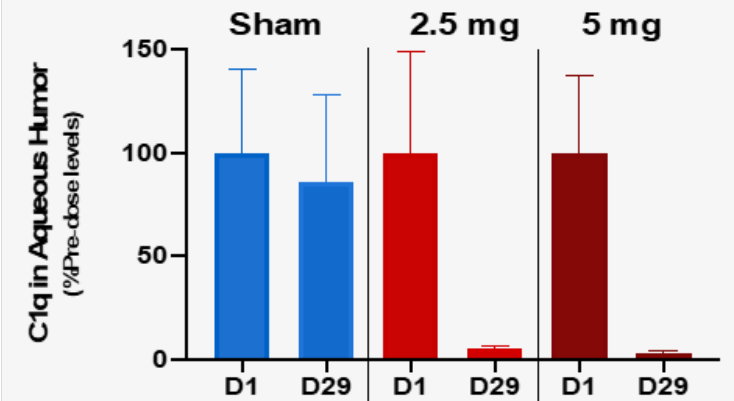
Full C1q Inhibition in Serum with ANX005



Full C1q Inhibition in CSF with ANX005



Full C1q Inhibition in Aqueous Humor with ANX007

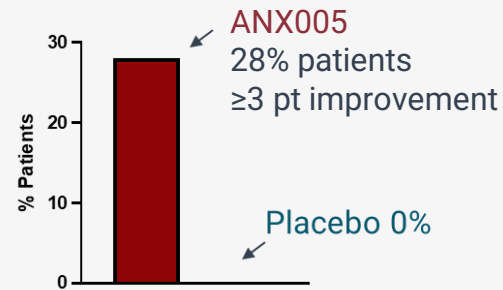


Clinical Proof-of-Concept Demonstrated in Both Autoimmune and Neurodegenerative Indications

Guillain-Barré Syndrome (GBS)

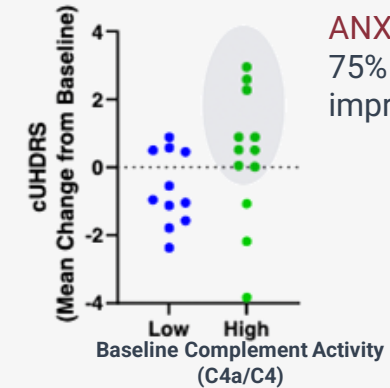
GBS 6-point disability scale:

1. Slight symptoms
2. Walk / no running
3. Walk with support
4. Bedridden / chair bound
5. Ventilator-assisted breathing
6. Death



Huntington's Disease (HD)

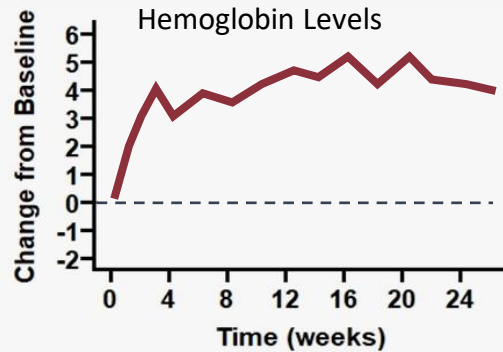
Composite Unified Huntington's Disease Rating Scale



ANX005
75% patients improved

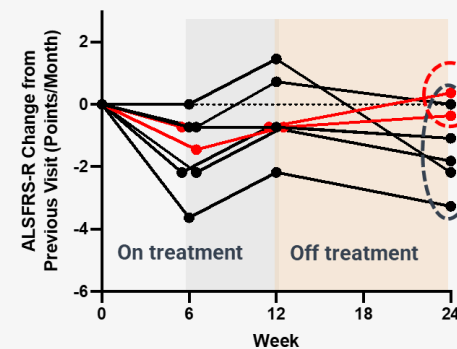


Cold Agglutinin Disease (CAD)



ANX005
Patient showed >2 pt improvement

Amyotrophic Lateral Sclerosis (ALS)



ANX005
All patients improved or maintained progression rate during treatment

Both patients that stayed on drug continued to improve

All patients who went off treatment declined



Achieving Our Mission With **FOUR FLAGSHIP PROGRAMS**

Stopping Harmful Inflammation and Tissue Damage in the Body, Brain & Eye



Guillain-Barré Syndrome (GBS)

AUTOIMMUNE

*Well-validated MOA
Fast path to market in
rare disease*

*1st placebo-controlled trial
in ~40 years*



Huntington's Disease (HD)

NEURODEGENERATION

*Pioneering MOA
No disease-modifying
treatments available*

*1st complement inhibition
in a brain disorder*



Geographic Atrophy (GA)

OPHTHALMOLOGY

*Well-validated MOA
Localized inhibition in eye*

*1st up & downstream
complement approach*











Oral Small Molecule

AUTOIMMUNE

*Well-validated MOA
Potential ease and convenience
of oral dosing*

*1st oral compound targeting
classical complement*

Flagship Programs Advancing in Mid-stage and Pivotal Trials

INDICATION	CANDIDATE	PRECLINICAL	PHASE 1	PHASE 2	PHASE 3	2023 ANTICIPATED MILESTONES
 Guillain-Barré Syndrome	ANX005					Complete Phase 3 enrollment in 2H 2023
 Huntington's Disease	ANX005					Initiate Phase 2/3 trial 2023
 Geographic Atrophy	ANX007					Report Phase 2 data mid-2023
 Autoimmune Indications	ANX1502					Complete MAD trial and initiate POC trial in patients

Flagship Programs

- Guillain-Barré Syndrome (GBS)
- Huntington's Disease (HD)
- Geographic Atrophy (GA)
- Oral small molecule



ANX005 Designed to Powerfully Inhibit C1q and Entire Classical Complement Pathway in the Body and Brain

ANX005

*IV administered
monoclonal antibody*

Key Attributes

- ✓ **Diverse:** Utilized in autoimmune & neurodegenerative trials
- ✓ **Potency:** High binding affinity to C1q (<10 pM)
- ✓ **Target Engagement:** Full C1q inhibition observed in blood and CSF
- ✓ **Safety Results:** Generally well-tolerated in acute and chronic trials
 - ✓ No drug-related deaths & no serious infections observed
 - ✓ No autoimmune events observed post enhanced ANA screening / monitoring
- ✓ **Clinical:** Rapid clinical benefit demonstrated in GBS, HD, CAD & ALS

Administered to >200 patients to date

ANX005 Generally Well-Tolerated in Several Patient Populations

KEY TAKEAWAYS



Leveraged learnings to optimize safety profile

- Low grade, transient IRRs during first infusion: managed by infusion rate and pre-medication
- Single serious event of autoimmunity (SLE/ lupus-like syndrome): no further events of autoimmunity observed post enhanced ANA screening / safety monitoring to date

No drug related deaths & no serious infections observed throughout all studies to date

6 completed and 2 ongoing acute and chronic autoimmune & neurodegenerative trials

- >100 patients from completed trials
- >110 patients in ongoing trials
- Exposure up to 1 year

ANX005 Generally Well-Tolerated Across Clinical Trials

Treatment Emergent Adverse Events (TEAE)	Safety Population (N=116*)	
	All CTCAE Grades N (%)	CTCAE Grade ≥3 N (%)
Any reported TEAEs, N (%)	114 (98.3)	29 (25.0)
Most Common TEAE, N (%)		
Infusion Related Reaction (IRR)	38 (32.8)	3 (2.6)
Most Common TEAEs (non-IRR), N (%)		
Headache	37 (31.9)	0 (0)
Pain in extremity	24 (20.7)	0 (0)
Rash**	26 (22.4)	2 (1.7)
Pyrexia	18 (15.5)	0 (0)
Lab abnormality - CPK	15 (12.9)	6 (5.2)
Constipation	13 (11.2)	0 (0)
Pruritus	13 (11.2)	0 (0)
Serious TEAEs, N (%)	9 (7.8)	8 (6.9)
Related to ANX005	3 (2.6)	3 (2.6)
Infections	0 (0)	0 (0)

Study Deaths and Serious Adverse Events

- No deaths and no serious infections observed
- 3 observed serious adverse events related to ANX005
 - 1 IRR in NHV prior to dosing optimization
 - 2 in HD P2a trial (lupus like syndrome and idiopathic pneumonitis) prior to implementation of ANA screening and safety monitoring plan

Adverse Events of Note

- Infusion Related Reactions (IRR) primarily first dose effect across indications (~95%) and commonly associated with transient rash
 - Adverse events coded as rash were primarily IRR
 - No IRR observed after 2nd dose of ANX005
- Elevated creatine phosphokinase (CPK) seen in placebo and ANX005 treated GBS patients – consistent with GBS

* All completed and open label studies with ANX005 (data cutoff 10/8/22); Includes: FIH, GBS P1b, GBS DDI, HD P2a, ALS P2a, CAD P2, wAIHA P2 trials

** Primarily initial dose IRRs, but coded under preferred term rash



Potential First-In-Class Treatment for GBS

Acute, antibody-mediated autoimmune disease driven by aberrant C1q activation

GBS Overview

Rapid onset of **neuromuscular weakness** and paralysis

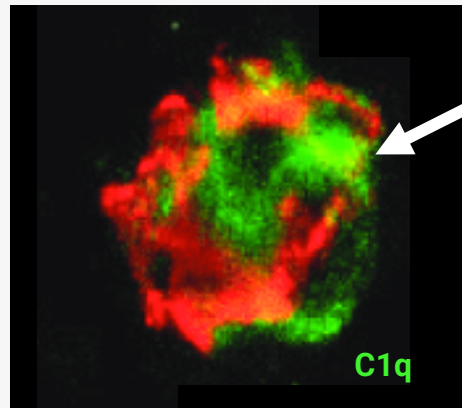
12,000 patients diagnosed/year in North America & Europe

No FDA-approved therapies

Role of C1q

C1q binds autoantibodies on nerve components, anchoring complement activation, inflammation & tissue damage

ANX005 blocks all inflammatory / damaging components of classical pathway for rapid recovery



C1q targeting the neuromuscular junction

ANX005

- ✓ Fast Track & Orphan Drug Designations
- ✓ Pursuing monotherapy label
- ✓ **Phase 3 pivotal trial ongoing**
- ✓ **Productive engagement with FDA on the statistical analysis plan for the ongoing pivotal trial**

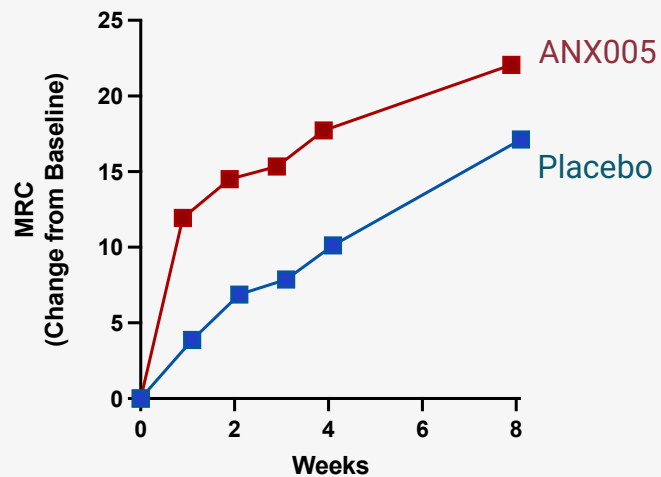


ANX005 Demonstrated Clinical POC in GBS Placebo-Controlled Trial

Early improvement in muscle strength and reduction in neuronal damage preceding gain of function

Impact on Muscle Strength

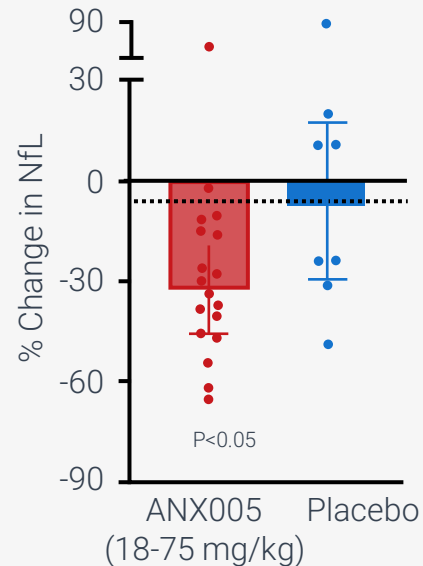
Rapid increase in muscle strength within first week of treatment



Mean Change in MRC Score from Baseline

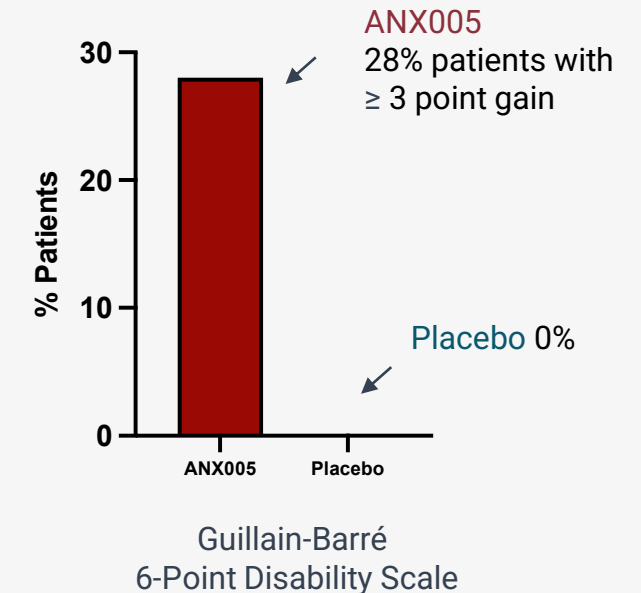
Impact on Key Neuronal Biomarker

Statistically significant early NfL reduction (weeks 2-4)



Impact on Clinical Function

Patients achieving ≥ 3 point improvement in 8 weeks



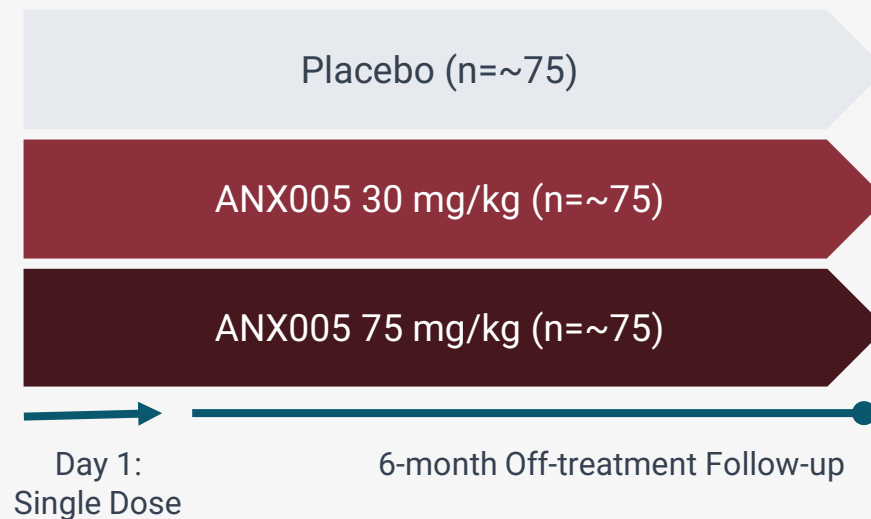
All graphs: ANX005 n=18, Placebo, n=8



ANX005 GBS Phase 3 Pivotal Trial Underway

On track to complete expanded enrollment in 2H23 with Phase 3 data expected in 1H24

Trial Design*



Specifications*

- **Randomized, double-blind trial (N~220)**
- Recently diagnosed severe patients (3 or higher on GBS-DS)
- **Primary endpoint: GBS Disability Scale at week 8**
- Patients stratified for baseline muscle strength and time from symptom onset
- **Productive engagement with FDA on the statistical analysis plan for the ongoing pivotal trial**
 - **Increased study population by ~40 patients**

*Pending planned protocol amendment



Potential First-In-Class Treatment for HD

Progressive neurodegenerative disease involving excessive synapse loss and neuronal damage

HD Overview

Progressive, inherited neurodegenerative disorder

80K people affected globally; ~300K at-risk¹

No approved treatments that reverse or slow disease progression

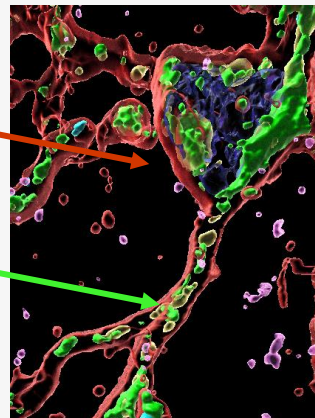
Role of C1q

C1q triggers synapse damage, synapse removal and neuroinflammation^{2,3}

ANX005 blocks classical complement activation to protect synapses, reduce neuroinflammation and improve clinical outcomes

Microglial cell

C1q / synapse engulfed by the microglial cell in a mouse model of HD



Annexon, data on file

ANX005

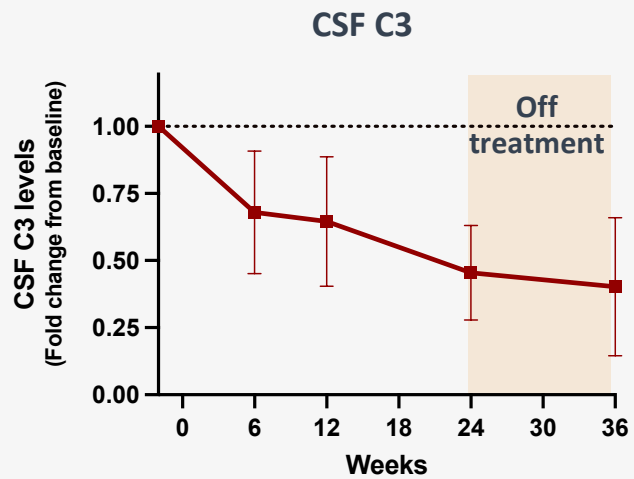
- ✓ Phase 2 results demonstrated positive clinical outcomes
- ✓ Orphan Drug Designation
- ✓ **Productive engagement with FDA**
- ✓ **Phase 2/3 trial design aimed at slowing rate of disease progression**
- ✓ **Phase 2/3 trial expected to initiate in 2023**



ANX005 Improved Clinical Outcomes in HD Phase 2 Trial

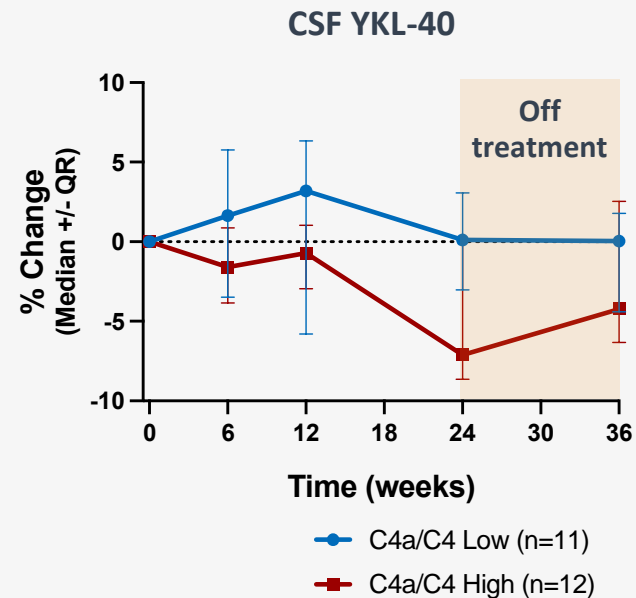
Reduced Downstream Complement

CSF C3 levels decreased in all patients during on and off treatment period



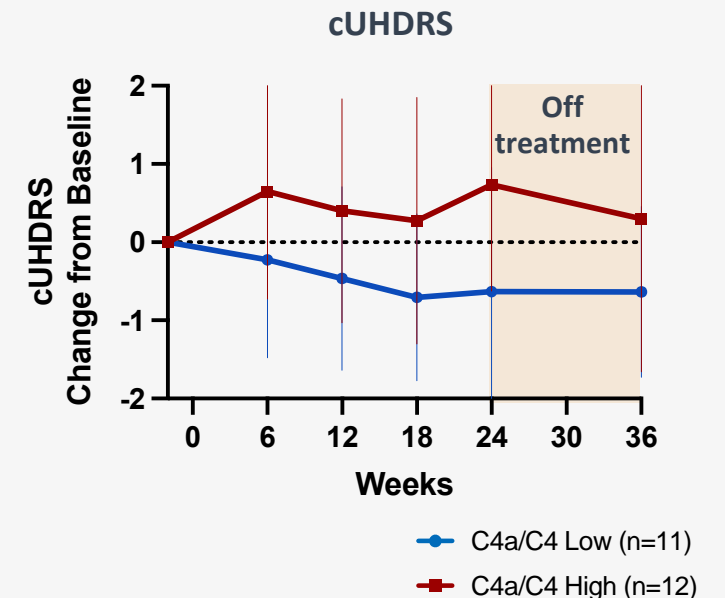
Reduced Neuroinflammation

HD inflammation marker (YKL-40*) reduced in patients with high baseline complement activity (C4a/C4)



Improved Clinical Function

Benefit at all time points in high complement group (cUHDRS)



*Produced by activated glia - Elevated in HD and other neurological diseases



ANX005 Phase 2/3 HD Trial Expected to Initiate in 2023

Trial Design

- Randomized, double-blind, placebo-controlled
- **Leveraging precision medicine approach** for patients with elevated baseline complement levels

Patient Population

- **Patients with manifest and pre-manifest HD**
- CAP score > 400
- UHDRS independence score \geq 80

Key Objectives

- **Disease progression** measured by cUHDRS and TFC
- **Confirm observations with rapid drug impact on high complement baseline patients**
- Patient motor, cognition, behavior, functional capacity and quality of life assessments
- Safety and tolerability of ANX005

EXPECT TO INITIATE PHASE 2/3 IN 2023



Potential First-In-Class for Early Complement Inhibition in GA

Progressive neurodegenerative retinal disease involving C1q-driven synapse and photoreceptor loss

GA Overview

Leading cause of blindness in the elderly

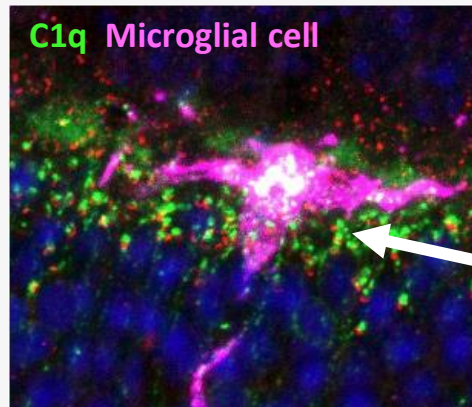
1M people diagnosed in US; 5M people globally

Current approaches target downstream complement

Role of C1q

C1q drives tissue damage in the retina by anchoring complement activation on drusen, photoreceptor cells and synapses

ANX007 has potential to provide more complete protection by shutting down all classical pathway components



C1q directing synapse engulfment by microglial cells¹

ANX007

- ✓ Targeting up and downstream complement activation
- ✓ Aim to slow rate of lesion growth
- ✓ Fast Track Designation
- ✓ **Administered to 200 patients to date**
- ✓ **Phase 2 data anticipated mid-2023**

ANX007 Designed to Powerfully Inhibit C1q & Classical Pathway in All Layers of the Retina

ANX007

*IVT administered
antigen-binding fragment (Fab)*

Key Attributes

- ✓ **Potency:** <10 pM Fab antibody formulated for intravitreal administration
- ✓ **Target Engagement:** Complete C1q inhibition in the eye for at least 4 weeks
- ✓ **Safety Results:** Generally well-tolerated in Phase 1b trial
- ✓ **Preclinical Data:** Demonstrated protection of photoreceptor cells and retinal function
- ✓ **Dosing:** Pharmacokinetics in patient aqueous humor supports monthly/every other month dosing; optimizing formulation for less frequent dosing

Administered to 200 patients to date

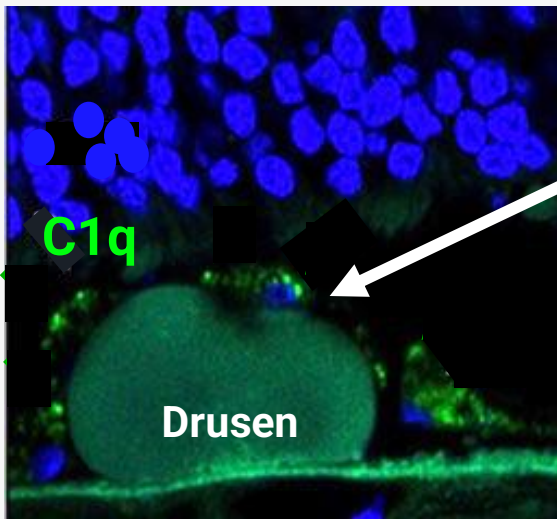


Targeting C1q's Dual Role in Vision Loss in GA

C1q drives inflammation in retina and specific mechanism of synapse loss on photoreceptor neurons

C1q Well Positioned to Drive Retinal Damage

C1q localized on drusen (hallmark pathology of GA)

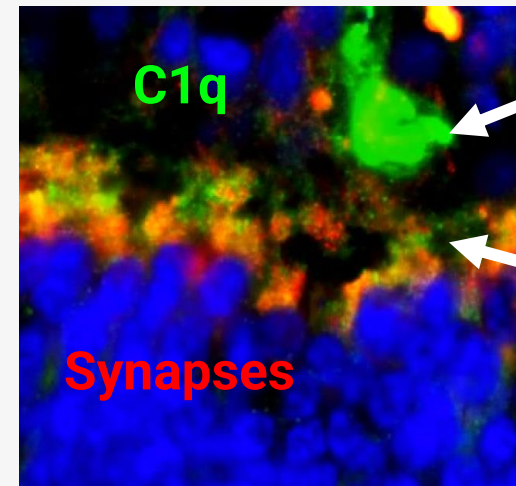


Modified Image from Jiao, 2018

C1q anchors classical complement activation on drusen

C1q's Unique Role in Neurodegeneration

C1q tags photoreceptor synapses to drive inflammation and neuronal damage



Activated microglial cells engulf synapses

C1q guides microglial cells to target synapses in GA

C1q initiates & propagates neuroinflammation in the retina

Retina specimens from GA patients were procured from the San Diego Eye Bank; Annexon data on file; Tassoni et al, IOVS 2022 (ARVO Abstract)

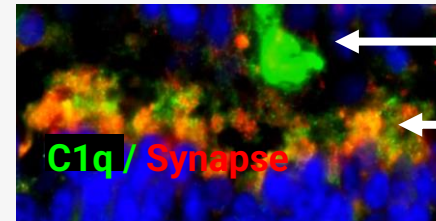


Broader Overview of C1q's Role in GA Progression

C1q accumulates in all layers of the outer retina and positioned as key driver of complement activation

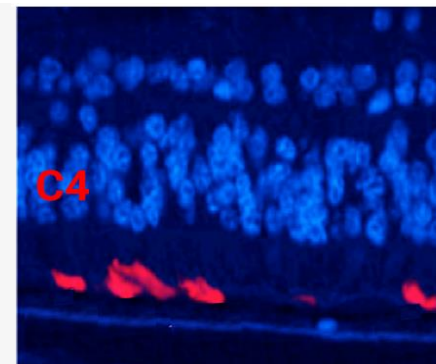
- Drusen contain activating C1q substrates
- **C1q activation / inflammation contributes to retinal damage**
- Microglia/macrophages infiltrate the retina, expressing more C1q
- **C1q directly recognizes components of photoreceptor neurons → cell damage**
- **C1q tags photoreceptor synapses on stressed neurons → synapse pruning / degeneration**

GA Retinal Tissue

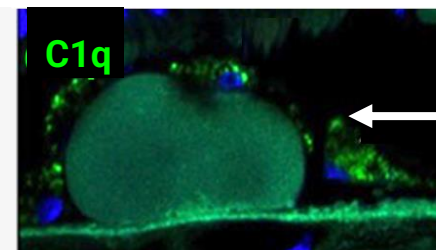


C1q-expressing microglial cell¹

C1q on photoreceptor synapses¹



C4, downstream of C1q, on photoreceptor cells at leading edge of pathology²



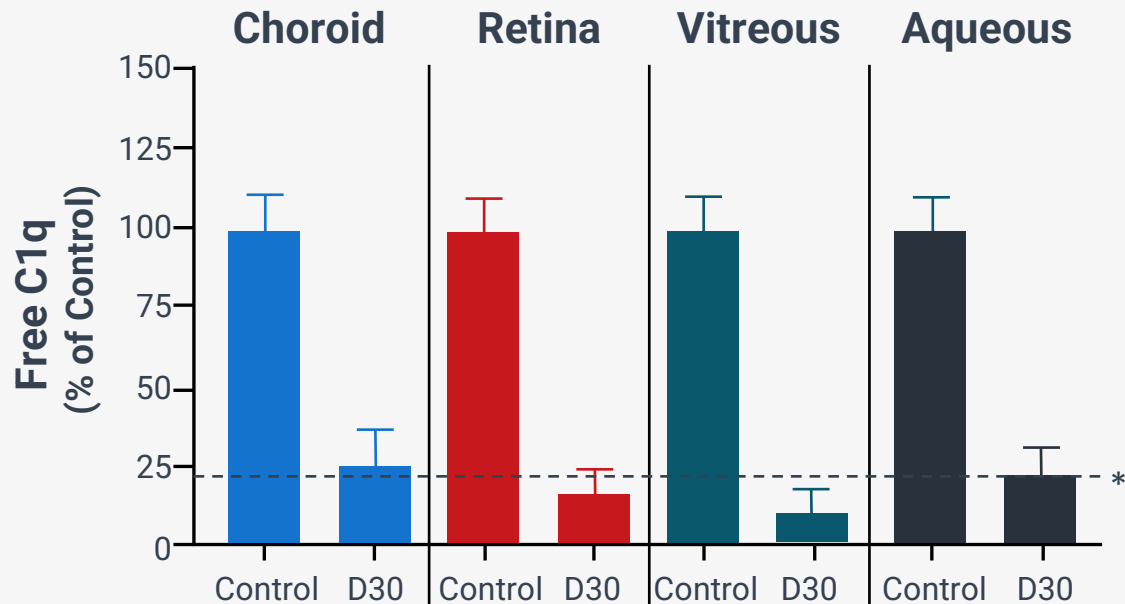
C1q on and around drusen³

¹Annexon data on file; ²Katschke, 2018; ³Jiao, 2018



ANX007 Inhibits C1q Throughout the Retina

C1q Occupancy by ANX007 Following Intravitreal Administration in Primates

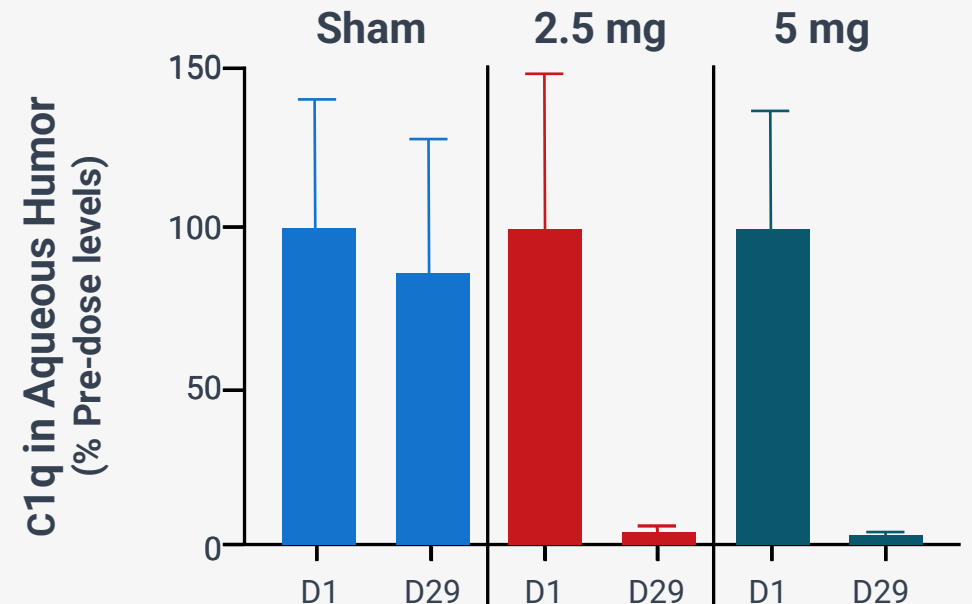


D30 = Day 30 (30 days post-2nd ANX007 dose)

Two doses of 5 mg ANX007 administered by IVT 28 days apart in cynomolgus monkeys

*Within resolution limits of assay

C1q Occupancy by ANX007 In Patient Aqueous Supports Monthly/Every Other Month Dosing



D1 = Day 1 (before ANX007 dosing)

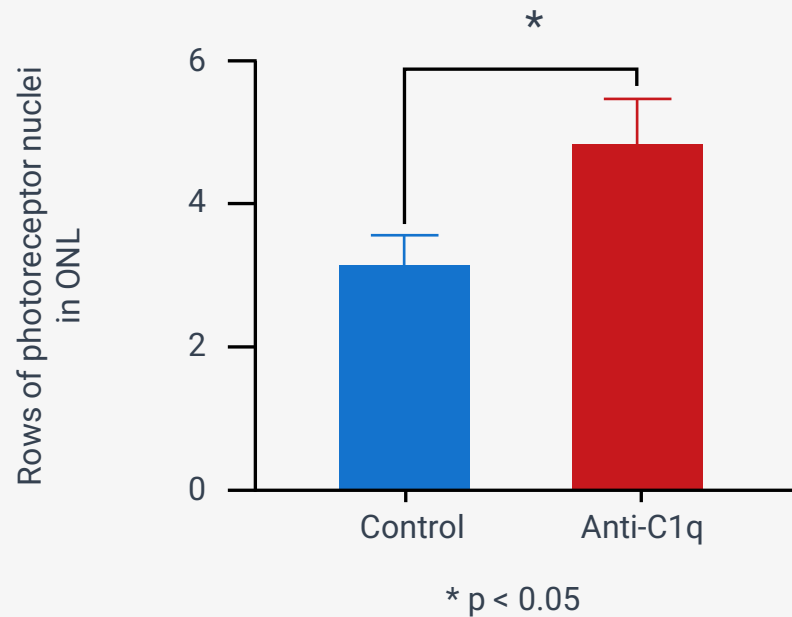
D29 = Day 29 (post-1st dose)



Blocking C1q Protected Photoreceptor Structure and Function in Mouse Light Damage Model

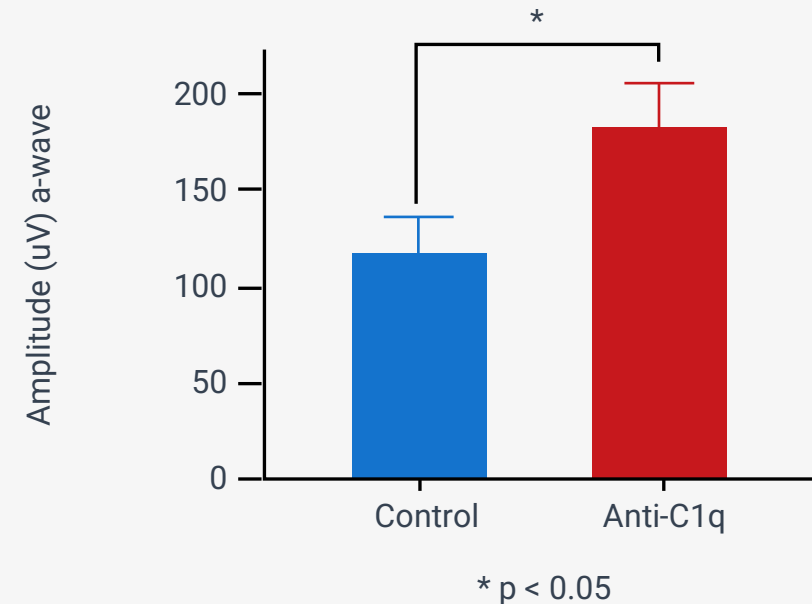
Protection of Retinal Layer Thickness / Cell Number

Anti-C1q Protected Photoreceptor Cells / Retinal Thickness



Protection of Photoreceptor Cell Function

Protected Retinal Function





Ongoing ANX007 Phase 2 GA Trial with Data Expected Mid-2023

ARCHER Trial Design

ANX007 5.0 mg/eye once monthly (n=~90)

Sham once monthly (n=~45)

ANX007 5.0 mg/eye every 2 months (n=~90)

Sham every 2 months (n=~45)

12-month Treatment Period

6-month
Off-treatment
Follow-up

Specifications

- Randomized, double-masked, sham-controlled trial (N~270)
- **Patients stratified based on lesion size and location (>45% patients with non-foveal lesions)**
- Primary endpoint: Rate of change (slope) in GA lesion area assessed by fundus autofluorescence (FAF)
- **>50% of patients through 12-month treatment period with >90% adherence with office follow-ups***

PHASE 2 DATA EXPECTED MID-2023

* As of December 8, 2022



ANX1502: First Oral, Small Molecule for Classical Complement-Mediated Autoimmune Diseases

Opportunity

Autoimmune indications with strong scientific rationale, including:

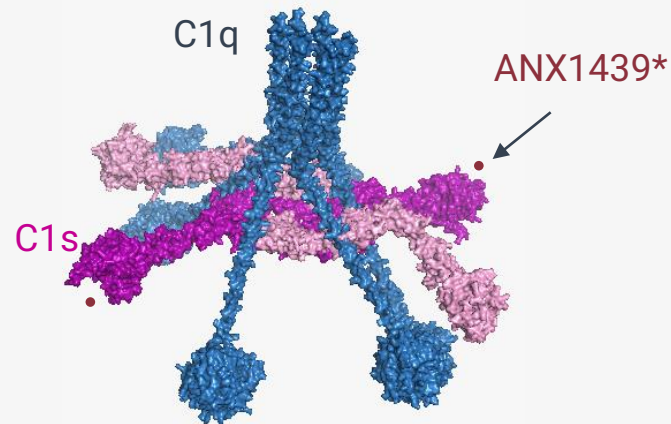
- Multifocal motor neuropathy (MMN)
- Lupus Nephritis
- Myasthenia gravis
- Cold agglutinin disease (CAD)

Role of C1s

Enzyme carried by C1q responsible for classical complement pathway activation

Targeting active form of C1s inhibits complement only at sites of activation

Highly specific effect on classical pathway



ANX1502

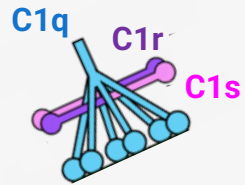
- ✓ **Orally administered prodrug** for chronic therapy in disease
- ✓ **Converts to highly selective active compound ANX1439** on administration
- ✓ **Achieved target drug levels** in on-going Phase 1 SAD trial
- ✓ **Conducting MAD in healthy volunteers**
- ✓ **Initiating POC in 2023**



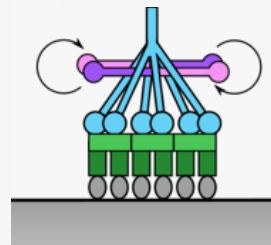
Following C1q Binding to a Surface, Small Molecule Rapidly Inhibits Activated C1s

Structure of C1-complex bound to IgM-antigen on a surface

C1 complex binds to a surface

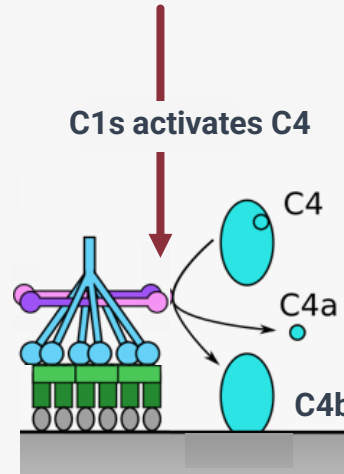


C1r becomes activated, then activates C1s

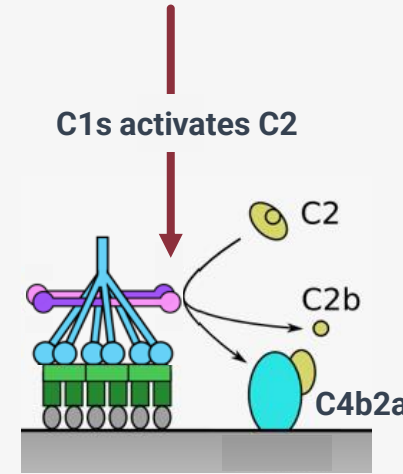


Small molecule inhibitor blocks both C4 and C2 cleavage by C1s

C1s activates C4



C1s activates C2



Pathway activation
(C3 and C5)



ANX1502: Structure-Based Screening and Design

ANX1502 Discovery From HTS To CTA Submission

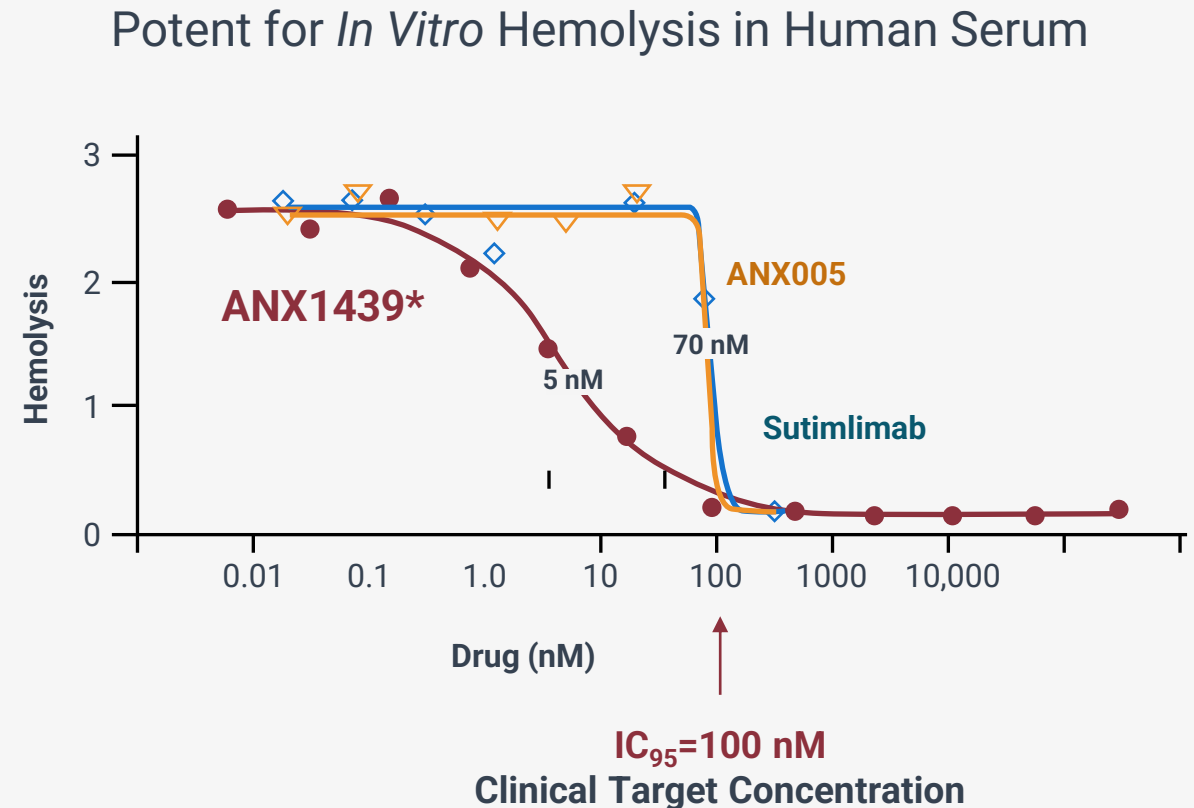




ANX1502 Delivers a Highly Potent and Selective Inhibitor of C1s

Active Compound ANX1439:

- **High affinity for C1s:** 0.6 nM (Biacore)
- **Potent inhibitor:** 1 nM purified enzymatic assay
- **Selective** over related serine proteases (200 – 50,000-fold)
- **Robust functional inhibition** of classical pathway (comparable to sutimlimab)
 - *In vitro* hemolysis assay (IC_{50} = 5 nM)
 - Clinical target concentration = 100 nM



*Active compound of ANX1502



ANX1502 Well-Tolerated in Ongoing Phase 1 SAD Trial; Pharmacokinetic Results Support Twice Daily Dosing

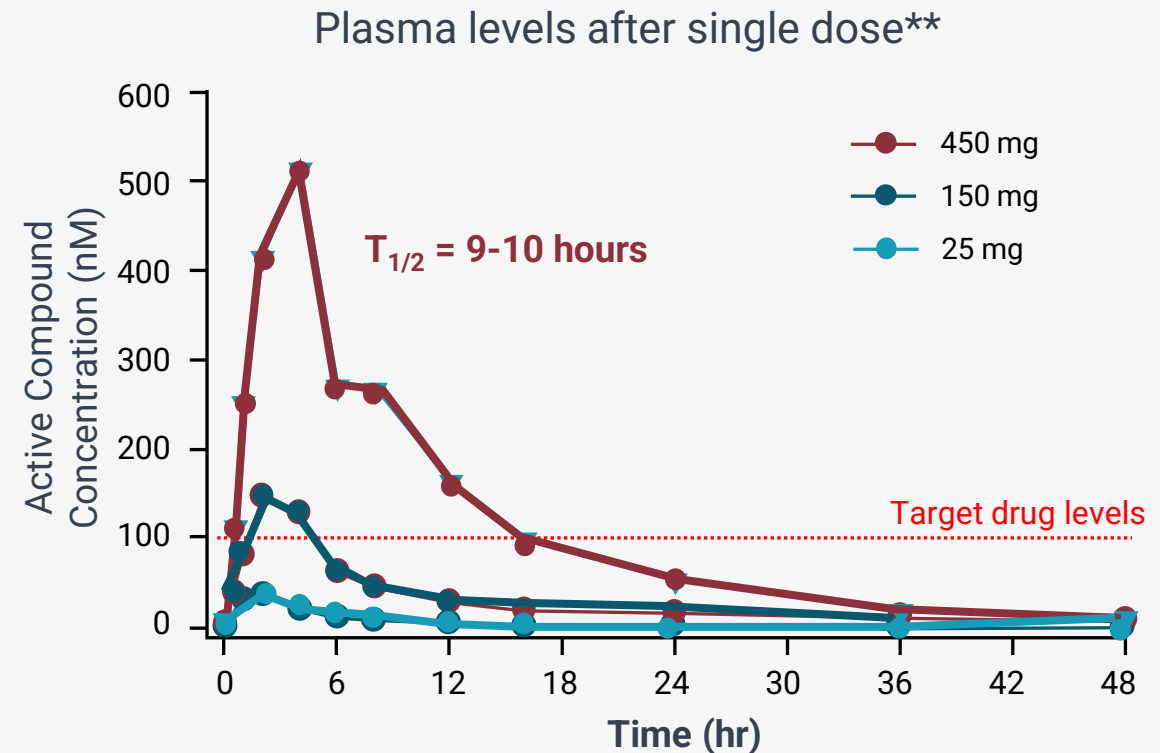
Safety Results*

- **ANX1502 generally well-tolerated**
- **Maximum tolerated dose not yet reached**
- All treatment-emergent adverse events (TEAEs) mild or moderate
- **No serious adverse events (SAEs)**
- No significant clinical/lab findings (e.g., liver enzymes, serum chemistry, hematology)

*As of October 23, 2022

Single Dose of 450mg Achieved Target Drug Levels

Active compound levels >100 nM for 12 hours, supports twice daily dosing



**Cohorts where ANX1502 was administered without food



ANX1502 Advancing Into Multiple Clinical Trials for Development in Autoimmune Indications

ANX1502 Development Plan

- **Complete Phase 1 SAD / MAD** study in healthy volunteers
 - Establish dose for patient studies
- **Demonstrate rapid POC in CAD**
 - Establish 1502 PK/PD in a short duration trial with objective readout
- **Expand autoimmune franchise into multifocal motor neuropathy (MMN)**
 - Strong scientific rationale; supporting data from mechanistically-related GBS indication

**Phase 1 data
expected 2023**

**POC trial initiation
expected 2023**

**P2 trial initiation
expected 2024**

Next Steps for Program Expansion

- Additional franchise expansion informed by emerging data 2H23
 - Ph 1b LN data expected in 1H23; informs late-stage trial related diseases
 - Ongoing assessment of Myasthenia gravis (MG) and other indications

**Expansion
expected 2H23**

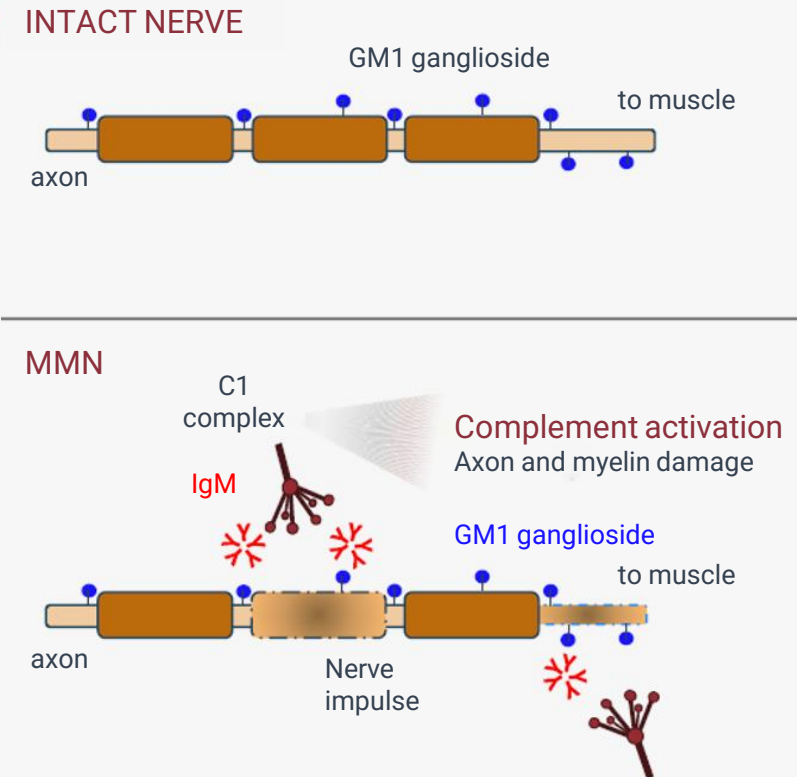


MMN: Progressive Disability Despite Treatment With Standard Therapy

Disease Overview

- **Clinical features**
 - Slowly progressive asymmetrical distal limb weakness
 - Muscle wasting over time
- **Patients**
 - ~12K in US / EU
 - Commonly middle-aged men
- **Pathophysiology**
 - Anti-GM1 antibodies
 - Motor conduction block
- **Treatment**
 - Treated with IVIg, but progressive nerve damage continues
 - Life-long and time-consuming treatment

Nerve Damage Mediated by Classical Complement in MMN



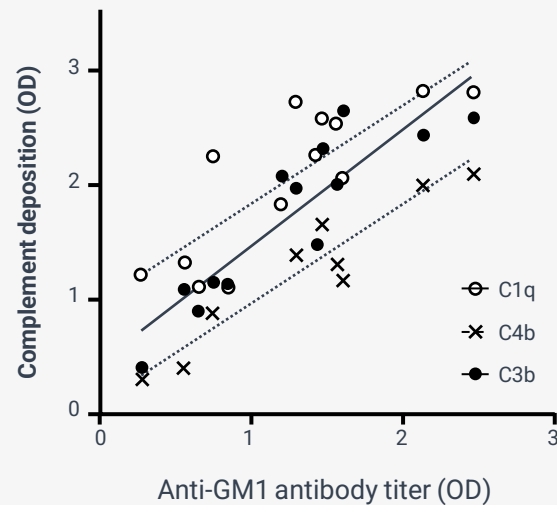


Strong Rationale for C1 Inhibition as Therapy for MMN

IgM driven disease related to GBS

Classical Complement Activation in MMN

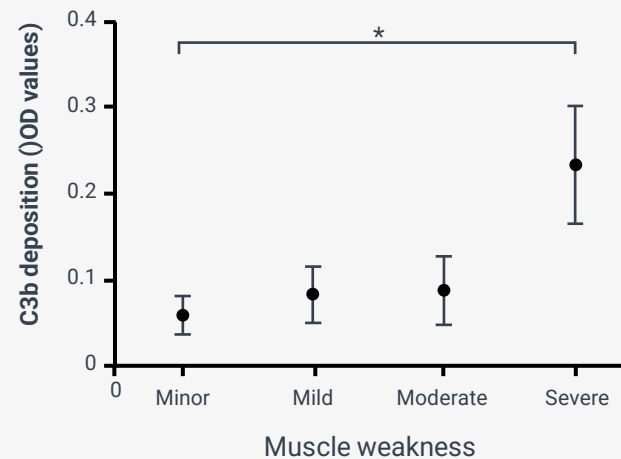
Patient sera: C1q, C4b and C3b deposition on GM1 ganglioside *in vitro* correlates with anti-GM1 IgM titers



Yuki, et al., J Neurol Neurosurg Psychiatry 2011

Complement Activation Correlates with Severity

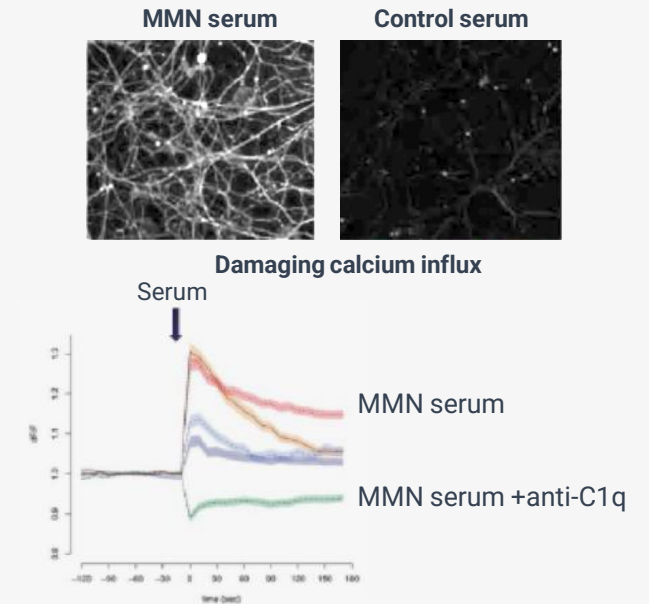
Patient sera: *In vitro* complement deposition on GM1 ganglioside correlates with MMN disease severity



Vlam, et al., Neurology 2015

C1 Inhibition Reduces Effect of MMN Antibodies

Neuronal culture: Anti-C1q blocks neurotoxic calcium influx caused by IgM GM1 antibodies



Harschnitz, et al., Annals Neurol 2016



Early Plans for MMN Study With ANX1502

Trial Design

- **Randomized, double-blind trial** assessing efficacy of ANX005 vs. IVIg
- IVIg rescue provided

Target Patient

- "Early" MMN and documented response to IVIg (run-in period)

Key Objectives

- Safety and tolerability
- **Confirm first use of oral drug candidate in MMN patient population**
- **Measures of peripheral muscle strength** using MRC sum score and hand-held dynamometry
- **Patient function**
- Need of IVIg retreatment







TIMELINE: INITIATE IN 1H 2024



Additional Near- Term Opportunities

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Numerous Opportunities with Next Wave Programs

INDICATION	CANDIDATE	PRECLINICAL	PHASE 1	PHASE 2	PHASE 3	2023 ANTICIPATED MILESTONES
 Amyotrophic Lateral Sclerosis (ALS)	ANX005					Report Phase 2 data in 2023
 Lupus Nephritis (LN)	ANX009					Report Phase 1 data in 1H 2023
 Autoimmune/ Neuro	ANX105					Report Phase 1 data in 2023



Potential First-In-Class Treatment for ALS

Targeting up & downstream complement activity in both the brain and peripheral nerves

ALS Overview

Rapidly progressing neurodegenerative disorder (fatal within 3-5 years from diagnosis)

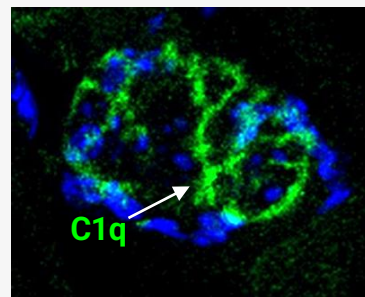
Affects **~19,000 people each year** in the US

Role of C1q

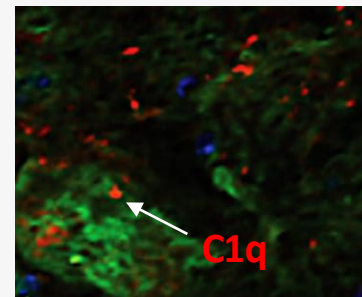
C1q targets both central and peripheral nerve components – motor neurons (MN) and peripheral neuromuscular junction (NMJ)^{1, 2, 3}

C1q activation drives inflammation and neurodegeneration^{1,2}

ANX005 blocks all downstream components of classical cascade **to prevent tissue damage**



C1q on NMJ⁴



C1q on central motor neurons³

ANX005

Differentiated, targeting both central and peripheral nervous system

Aim to slow rate of disease progression

Phase 2a trial actively enrolling, data expected 2023

Open-Label Treatment Period
3-6 Months¹

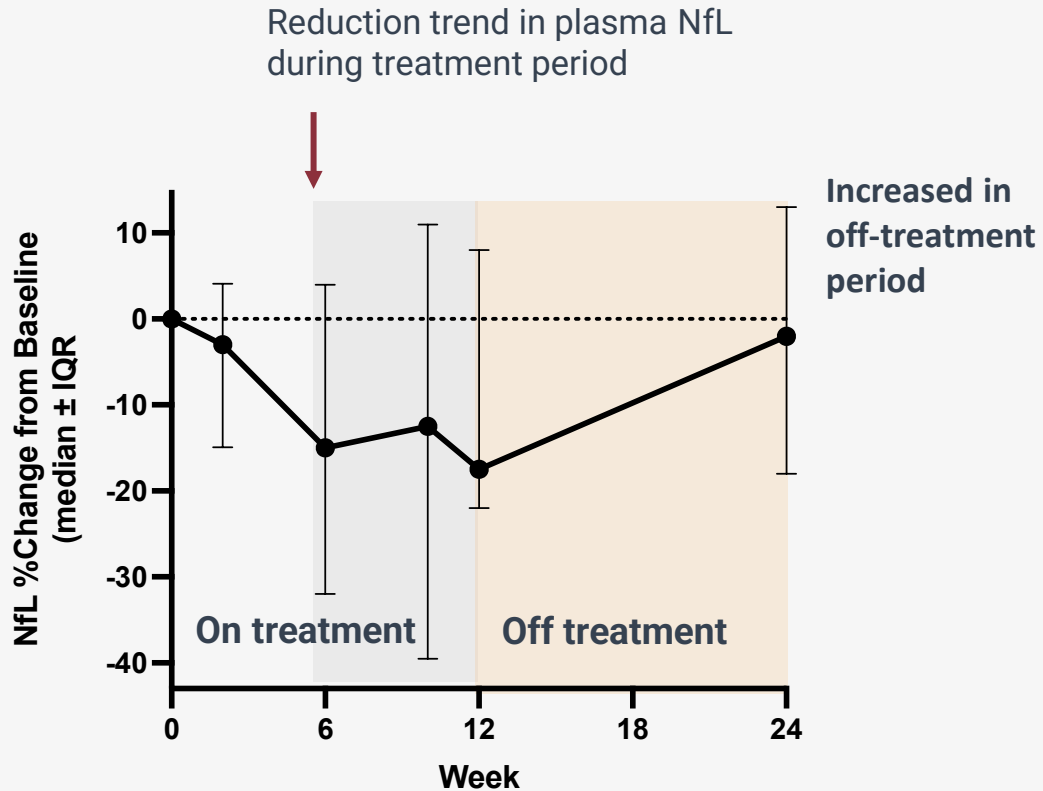
Off-Treatment Period
3 months

¹Protocol amendment extended treatment period from 3 months to 6 months



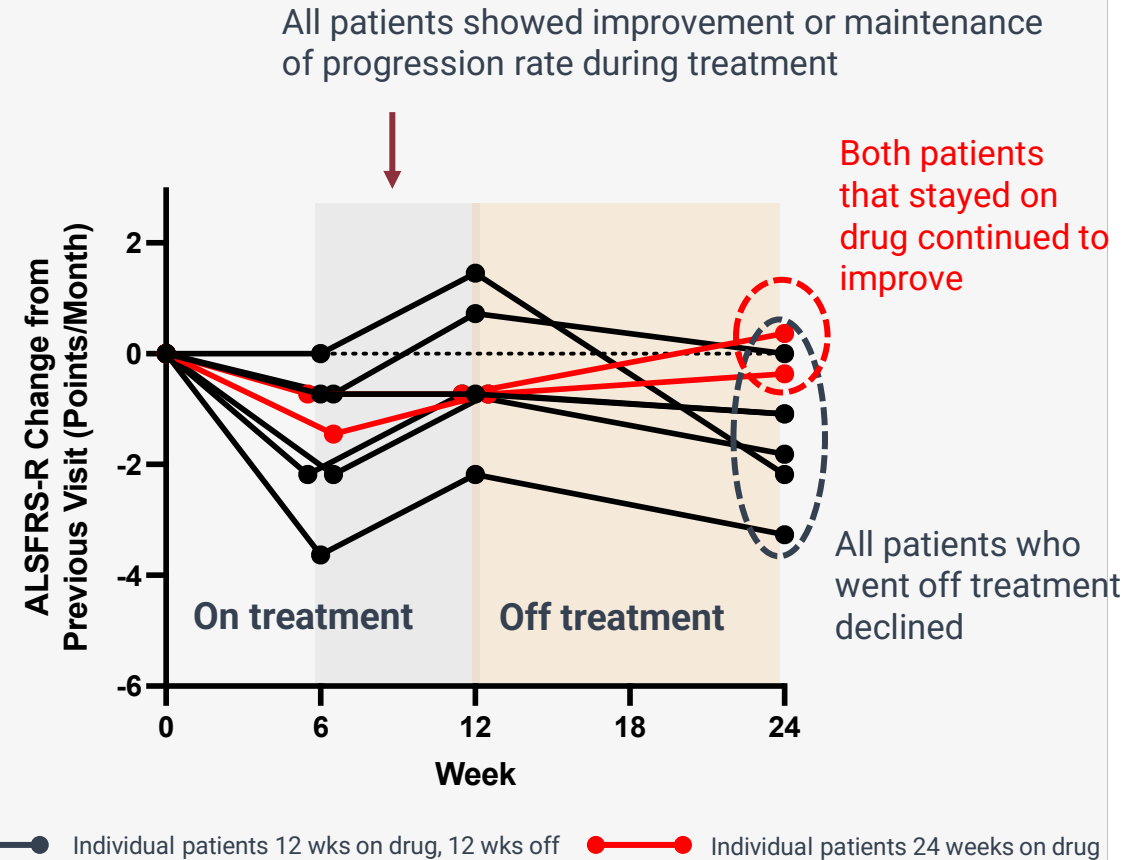
ANX005 Preliminary ALS Phase 2a 12-Week Data Show Disease Progression Slowed During Treatment, Increased Off-treatment

Reduction in Plasma NfL



On-treatment: N=8; Off-treatment: n=6 (all patients who completed 12-week treatment protocol): Data as of 12/6/2022

Impact on ALSFRS-R Rate of Progression



N=8 (All patients who completed 12 or 24-week treatment protocol): Data as of 12/6/2022

ANX009 Selectively Inhibits Complement Activation in Vascular Space

ANX009

*Subcu administered
antigen-binding fragment (Fab)*

Key Attributes

- ✓ **Subcutaneous formulation** of an antigen-binding fragment (Fab)
- ✓ **Target Engagement:** Selectively inhibits C1q *in the vascular space*
- ✓ **Safety:** Well-tolerated in Phase 1 trial, twice weekly dosing provided sustained C1q inhibition in the circulation
- ✓ **Dosing:** Designed to **enable chronic dosing** for use in future trials of autoimmune indications



Potential First-In-Class Approach for Lupus Nephritis; Data Expected 1H23

Endogenous, pathogenic autoantibodies against C1q enhance its activity and uniquely amplify kidney inflammation and damage

LN Overview

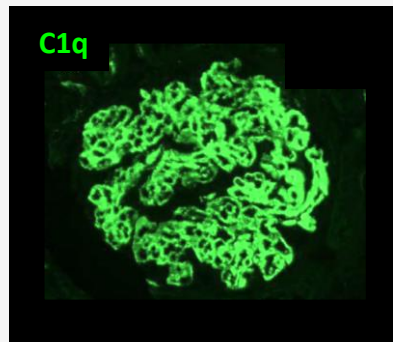
~60,000 US patients/year

Pathogenetic auto-antibodies against C1q (PACAs) enhance LN disease activity

Role of C1q

C1q and PACAs amplify kidney inflammation and damage

ANX009 blocks binding, activation & **tissue damaging inflammation in LN**



C1q targeting the renal glomerulus

ANX009

Targeting patients with high baseline complement activity by increased C4d/C4

Well-tolerated in Phase 1 trial, twice weekly dosing provided sustained C1q inhibition in the circulation

Phase 1b signal-finding trial underway, with initial data expected in 1H23

~8-week
Run-in
Period

**ANX009 ~3 weeks
treatment (n=~6)**

**11-week
follow up**

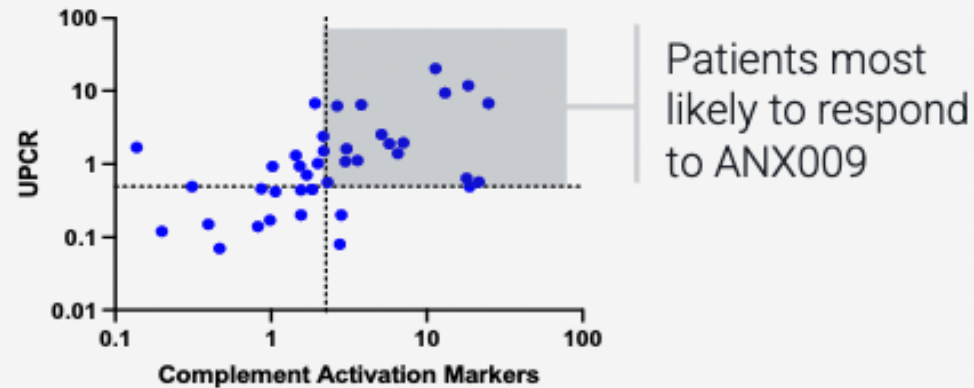
*Induced by injection of auto-reactive antibodies against kidney glomerular basement membrane antigens
Trouw et al. J Clinical Investigation (2004) 114:679



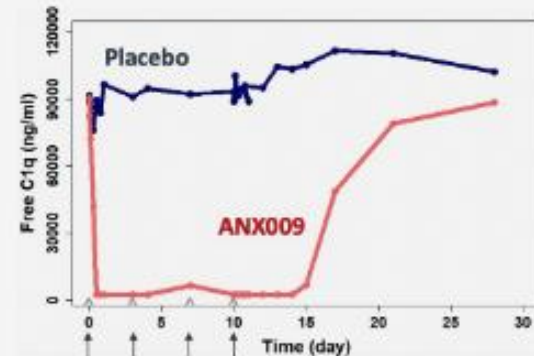
Preclinical and Phase 1 Support for ANX009 in Lupus Nephritis

Precision Medicine Approach

High baseline complement activity correlated with disease activity



Full inhibition of C1q in serum with ANX009 in Phase 1 study



Healthy volunteers;
Dosing on days 0, 3, 7 and 10

Selectively Inhibiting C1q to Stop Complement-Mediated Disease

Annexon data on file

ANX105 Next Generation Inhibitor of C1q & Classical Pathway

ANX105

*IV administered
monoclonal antibody*

Key Attributes

- ✓ **Full-length mAb for IV administration**
- ✓ **Target Engagement:** Designed to fully inhibit C1q in blood and CSF
- ✓ **Dosing:** Designed with potentially improved dosing properties for use in future trials of autoimmune and neurodegenerative indications
- ✓ **Phase 1 SAD study in normal healthy volunteers ongoing**

**A Mission to
Enable People to
Live Freely from
Complement-
mediated Diseases**



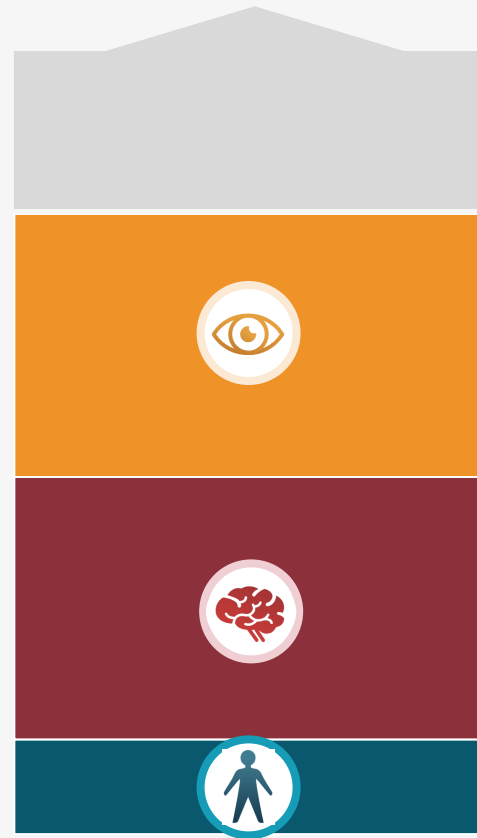
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Game-Changing Opportunity for C1q-directed Complement Therapies in Current Indications and Beyond

Significant Unmet Need

- 0 C1q-directed complement agents on the market or in late-stage development
- 0 Disease-modifying treatments available for GBS or HD
- 0 Treatments that target **both up and downstream** complement pathway for GA
- 0 Orally administered, small molecule complement treatments available

Multi-Billion Market Opportunity



Expansion into additional complement-mediated diseases of the body, brain and eye





>\$10 BILLION

Market opportunity in current pipeline indications*

*Based on market data and company estimates

2023 Clinical Milestones Primed to Unlock Significant Value

*Well capitalized with runway into 2025**

- Demonstrate efficacy signal in “next wave” indication —● **ANX009** Phase 1 LN data expected in 1H 2023 
- Demonstrate clinical efficacy in GA —● **ANX007** Phase 2 GA data expected in mid-2023 
- Demonstrate efficacy signal in “next wave” indication and target engagement with next generation mAb —● **ANX005** Phase 2 ALS data expected in 2023
● **ANX105** Phase 1 data expected in 2023 
- Initiate placebo-controlled HD trial —● **ANX005** Phase 2/3 initiation expected in 2023 
- Characterize dosing properties and initiate clinical POC trial with oral, small molecule —● **ANX1502** Phase 1 MAD data in healthy subjects and POC trial initiation in CAD patients expected by end of 2023 
- Complete enrollment in pivotal GBS trial —● **ANX005** Phase 3 complete enrollment expected in 2H 2023 with pivotal data anticipated in the first half of 2024 

*\$242.7 million in cash and cash equivalents as of December 31, 2022