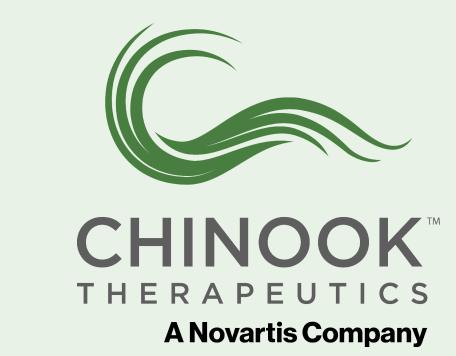
# The ASSIST Trial: A Randomized, Double-blind, Placebo-controlled, Crossover Study of Atrasentan in Patients with IgA Nephropathy on SGLT2i

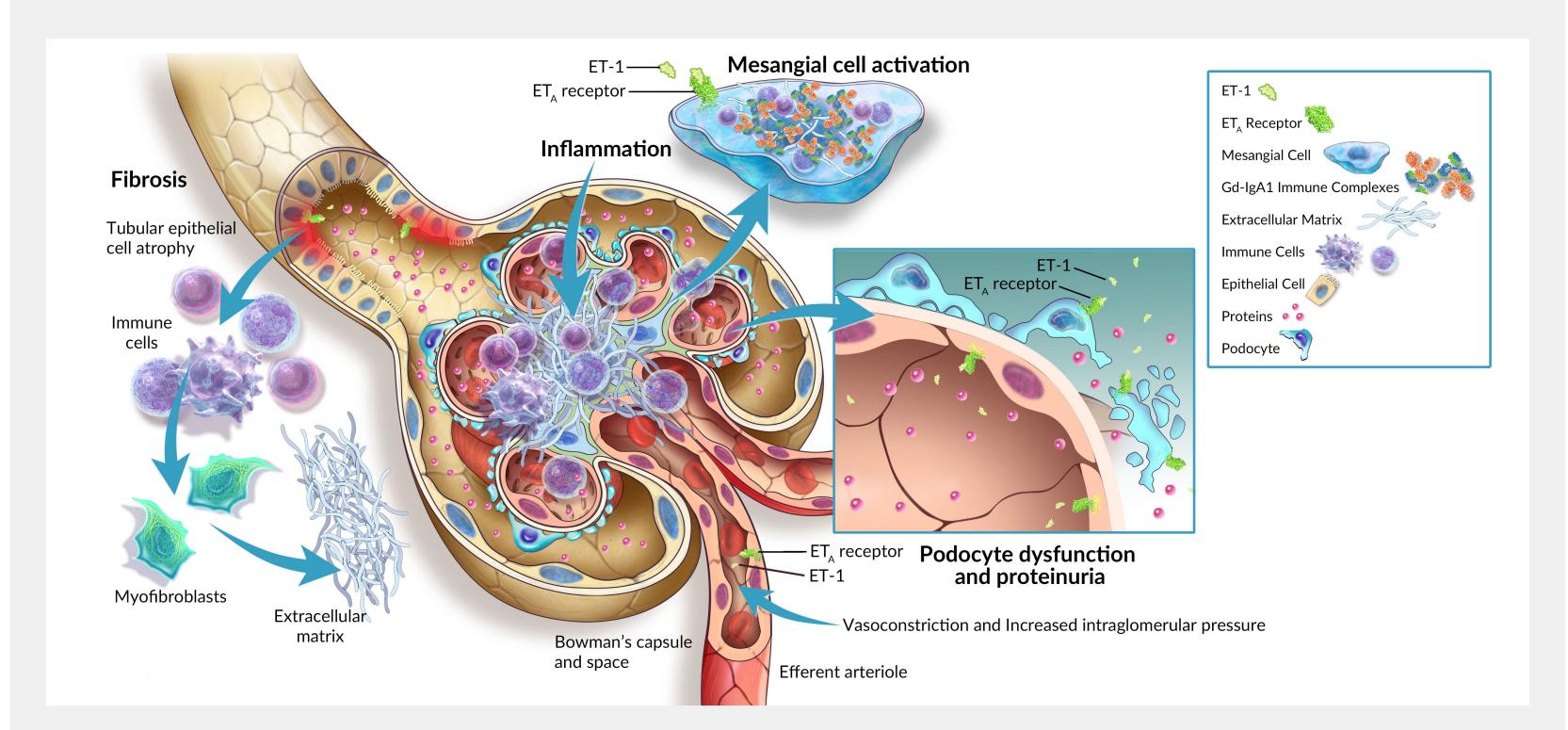


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# Background

### Glomerular Disease and Proteinuria

- IgA nephropathy (IgAN) is the leading cause of primary glomerulonephritis, with approximately 30-45% of IgAN patients progressing to ESKD over a period of 20-25 years<sup>1-4</sup>
- Proteinuria is the strongest predictor of disease progression in IgAN<sup>1,5-6</sup>
- Endothelin A (ETA) receptor activation may contribute to mesangial cell activation, proteinuria, kidney inflammation and fibrosis in IgAN (Figure)<sup>7,8</sup>



# Atrasentan\* and SGLT2i

At rasentan, a potent and selective  $ET_{\Delta}$  antagonist, has potential to reduce proteinuria and preserve kidney function in IgAN.

- Interim results of a phase 2, open-label study in patients with IgAN (AFFINITY, NCT04573920) demonstrated that atrasentan was well tolerated and resulted in clinically meaningful and sustained proteinuria reductions in patients receiving a maximally tolerated and optimized dose of a RAS inhibitor<sup>9</sup>
- Sodium glucose cotransporter-2 inhibitors (SGLT2is) are approved for use in adults with CKD at risk of kidney disease progression, including IgAN<sup>10</sup>
- In a post-hoc analysis of the global phase 3 SONAR study in patients with type 2 diabetes and CKD, 6-week treatment with atrasentan and SGLT2i in a small number of patients (n=14) further decreased albuminuria and decreased body weight, a surrogate for fluid retention, vs. atrasentan alone 11

#### References

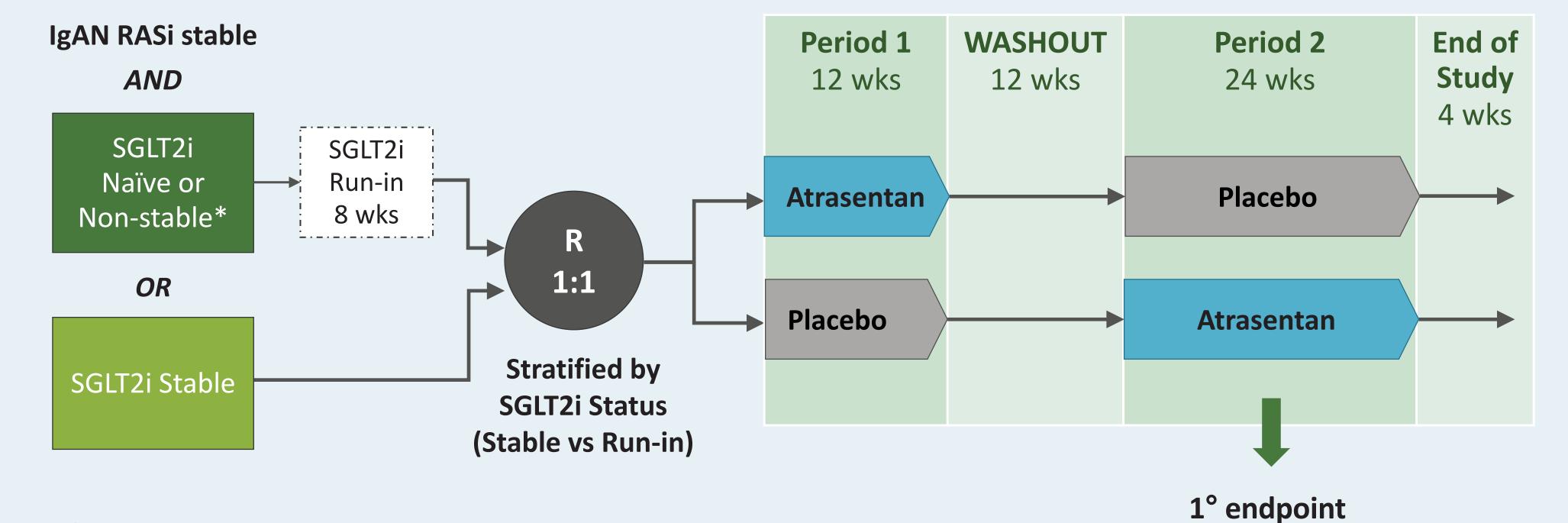
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# ASSIST Study Design



## **Study Objective:**

ASSIST™ (NCT05834738) is a randomized, double-blind, placebo-controlled, crossover study to evaluate the safety and efficacy of atrasentan vs. placebo in adults with IgAN on stable SGLT2i and RASi with persistent proteinuria. Approximately 52 patients will be enrolled.



\* Subjects who have not been on a stable dose of SGLT2i prior to study entry are required to complete the 8-week run-in period.

#### **Study Endpoints:**

- Primary: Change in proteinuria (UPCR from a 24-hour urine collection) from baseline to week 12
- Key secondary: In Treatment Period 2, the change in proteinuria (UPCR from a 24 hr urine collection) from baseline to week 24
- Safety: Type, incidence, severity, and relatedness of adverse events (AEs) and serious AEs
- Exploratory: In Treatment Period 2, change in eGFR from baseline to week 24

# Key inclusion criteria

#### All patients

- ✓ Adults with biopsy-proven IgAN, not due to secondary causes
- ✓ Receiving max tolerated and stable RASi ≥ 12 weeks prior to screening
- $\checkmark$  eGFR ≥ 30 mL/min/1.73 m<sup>2</sup> (CKD-EPI) at screening

#### SGLT2i stable

- Receiving SGLT2i at stable dose ≥ 8 weeks prior to screening
- ✓ 24-hour total urine protein > 0.5 g/d at screening

#### SGLT2i naïve or non-stable

- ✓ 24-hour total urine protein > 0.85 g/d at screening
- Complete 8-week run-in period on a stable and well tolerated dose of an SGLT2i
- ✓ After run-in:
  - 24-hour total urine protein > 0.5 g/d confirmed at end of run-in
  - eGFR of ≥ 30 mL/min/1.73 m<sup>2</sup> (CKD-EPI) at end of run-in

## Summary

week 12

- Atrasentan, a potent and selective ETA antagonist, has potential to reduce proteinuria and preserve kidney function in IgAN
- The ASSIST crossover study will evaluate the safety and efficacy of atrasentan in combination with SGLT2i in patients with IgAN with persistent proteinuria despite maximized RASi

#### The ASSIST study is currently enrolling

For more information, scan QR or visit https://clinicaltrials.gov/ct2/show/NCT05834738



