

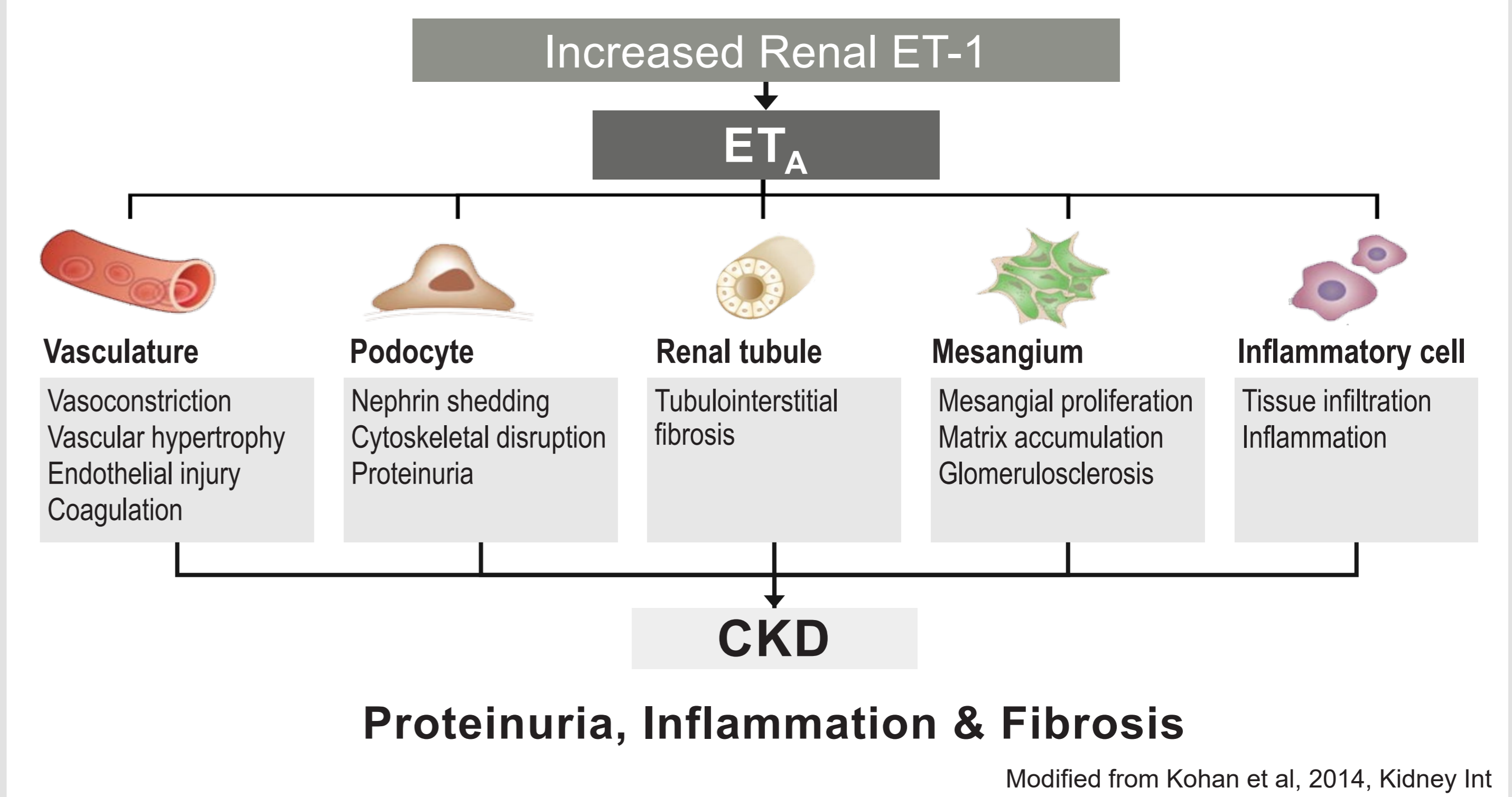
# Atrasentan in Patients with Proteinuric Glomerular Diseases – The AFFINITY Study

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## Glomerular Disease and Proteinuria

**Glomerular diseases, including IgA nephropathy (IgAN), focal segmental glomerular sclerosis (FSGS), diabetic kidney disease (DKD) and Alport syndrome together are a leading cause of ESKD worldwide<sup>1</sup>**

- Proteinuria is a predictor of disease progression and ESKD in glomerular disease<sup>2</sup>
- Endothelin 1 (ET-1) expression is elevated in patients with glomerular disease<sup>3</sup>
- Endothelin A (ETA) receptor activation drives proteinuria, inflammation, and fibrosis<sup>4-5</sup>

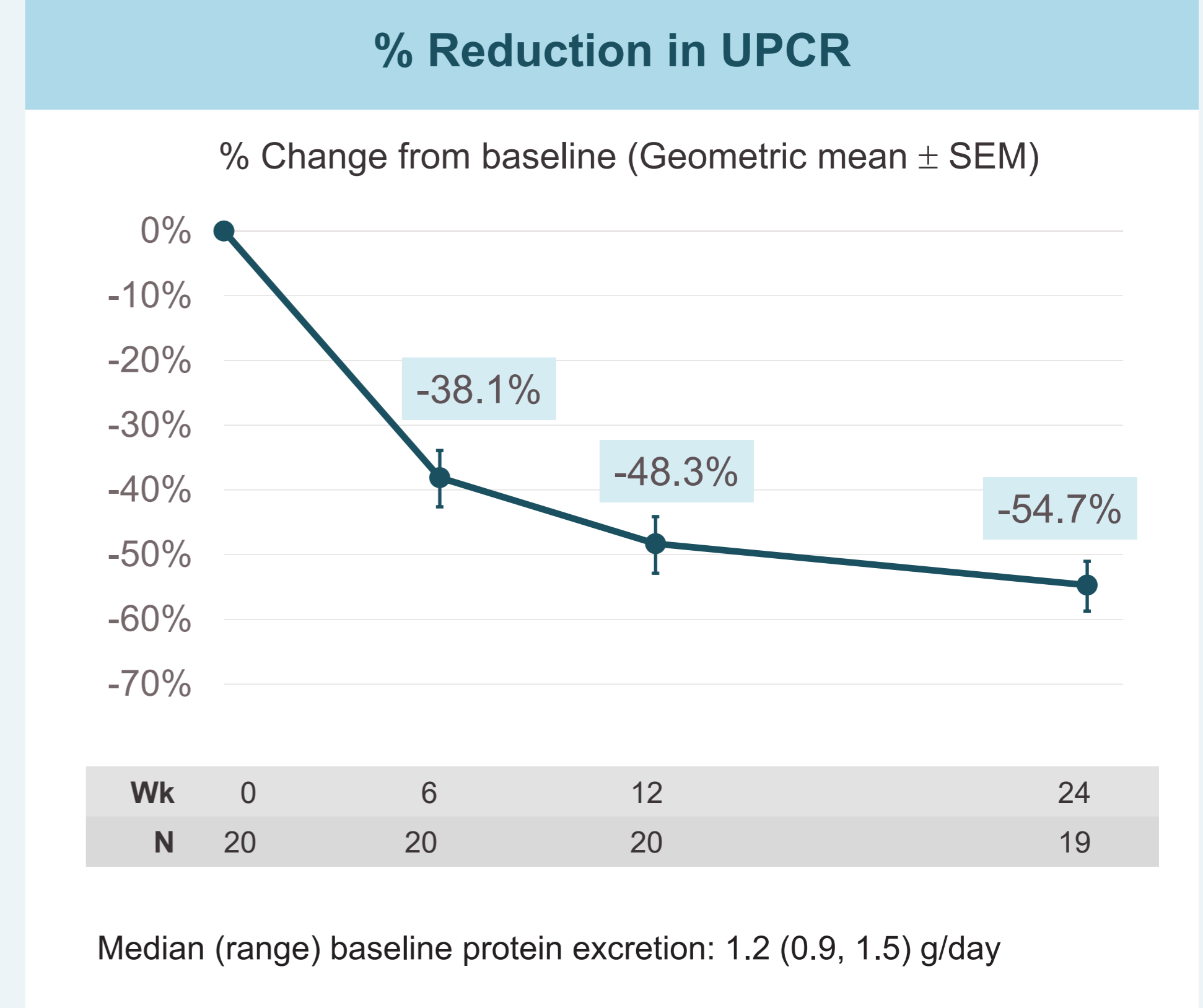


## Atrasentan\*

**Blockade of the ET<sub>A</sub> receptor with atrasentan, a potent and selective ET<sub>A</sub> antagonist, represents a potential approach to reduce proteinuria and preserve kidney function in glomerular diseases**

- In preclinical studies, atrasentan attenuates mesangial cell activation, glomerular and tubulointerstitial injury, and reduces proteinuria associated with IgAN<sup>6-8</sup>
- Atrasentan has demonstrated clinically significant and sustained proteinuria reduction with an acceptable safety profile in over 5,100 patients with DKD<sup>9-10</sup>

Interim results from the IgAN cohort of the ongoing AFFINITY study demonstrate atrasentan is generally well-tolerated and results in a mean 54.7% reduction in proteinuria at Week 24 (N=19; ASN 2022, TH-PO497)

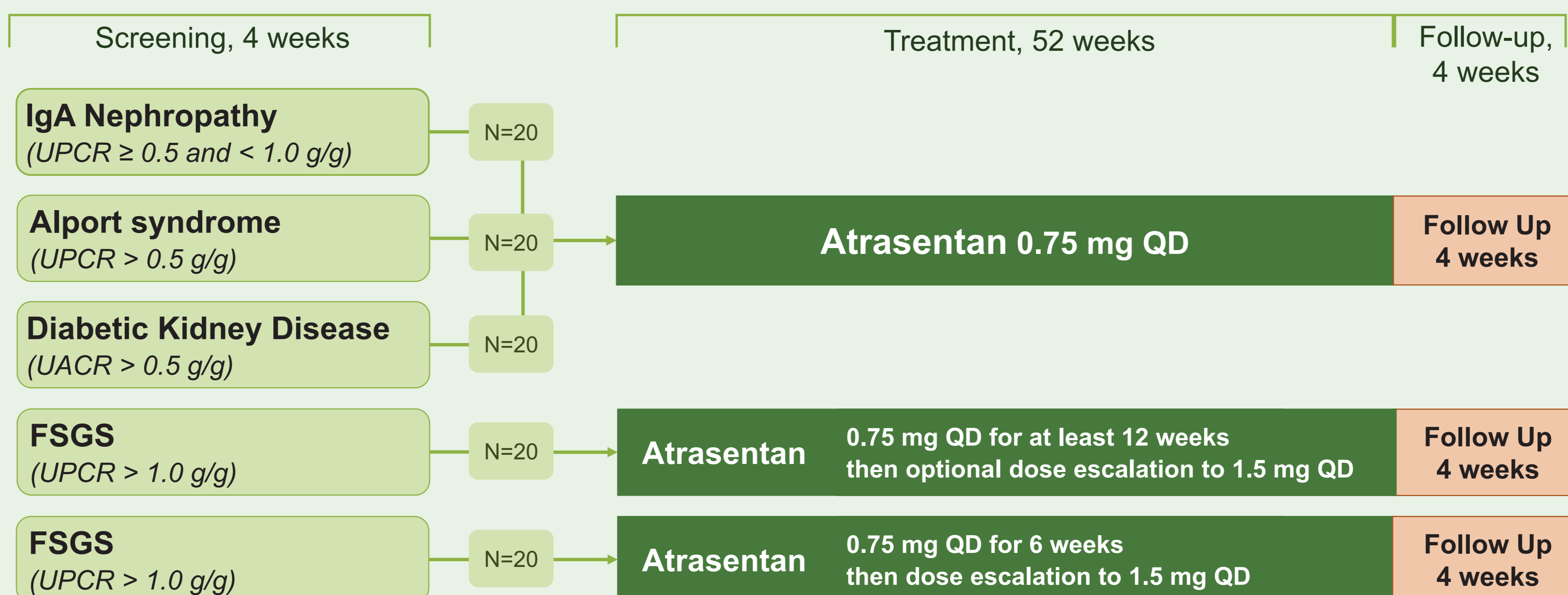


## The AFFINITY Study

**The AFFINITY study (NCT04573920)** is an ongoing global phase 2 open-label basket study of safety and efficacy of atrasentan in IgAN, FSGS, Alport syndrome and DKD patients at risk of progressive loss of kidney function

**Approximately 100 patients** in the United States, Australia, South Korea, Spain, Italy and United Kingdom will be enrolled.

- IgAN cohort enrollment complete
- DKD, Alport syndrome, and FSGS cohorts - **ENROLLMENT ONGOING**



- Key Eligibility Criteria:**
- **Proteinuria must be present in all patients-** IgAN, urine protein creatinine ratio (UPCR)  $\geq 0.5$  and  $< 1.0$  g/g; FSGS, UPCR  $> 1.0$  g/g; AS, UPCR  $> 0.5$  g/g; DKD, urine albumin creatinine ration (UACR)  $\geq 0.5$  g/g.
  - **eGFR  $\geq 30$  mL/min/1.73 m<sup>2</sup>** in patients with IgAN, AS, or FSGS; **eGFR  $\geq 45$  mL/min/1.73 m<sup>2</sup>** in patients with DKD.
  - Patients must be receiving maximally-tolerated **RASi** and patients with DKD must also be on **SGLT2i**.

**The primary endpoint** is change in proteinuria (IgAN, FSGS, AS) or albuminuria (DKD) from baseline at Week 12 for IgAN, AS and DKD, and at Week 24 post dose escalation for FSGS. **Key exploratory measures** include safety, tolerability and change in eGFR from baseline to Week 52.

- Reference**
1. Johansen et al, 2020, Am J Kidney Dis;
  2. Hunsicker et al, 1997, Kidney Int;
  3. Benigni et al, 2021, Ped Nephrol;
  4. Kohan et al, 2014, Kidney Int;
  5. Raina et al, 2020, Kidney Dis;
  6. Olson et al, 2022, ERA;
  7. Cox et al, 2021, Podocyte;
  8. King et al, 2021, WCN;
  9. de Zeeuw et al, 2014, JASN;
  10. Heerspink et al, 2019, The Lancet.

