

PROTECT Subgroup Analysis: Sparsentan Provides Clinical Benefits vs Irbesartan in Patients With IgA Nephropathy With Proteinuria Above and Below 1 g/g

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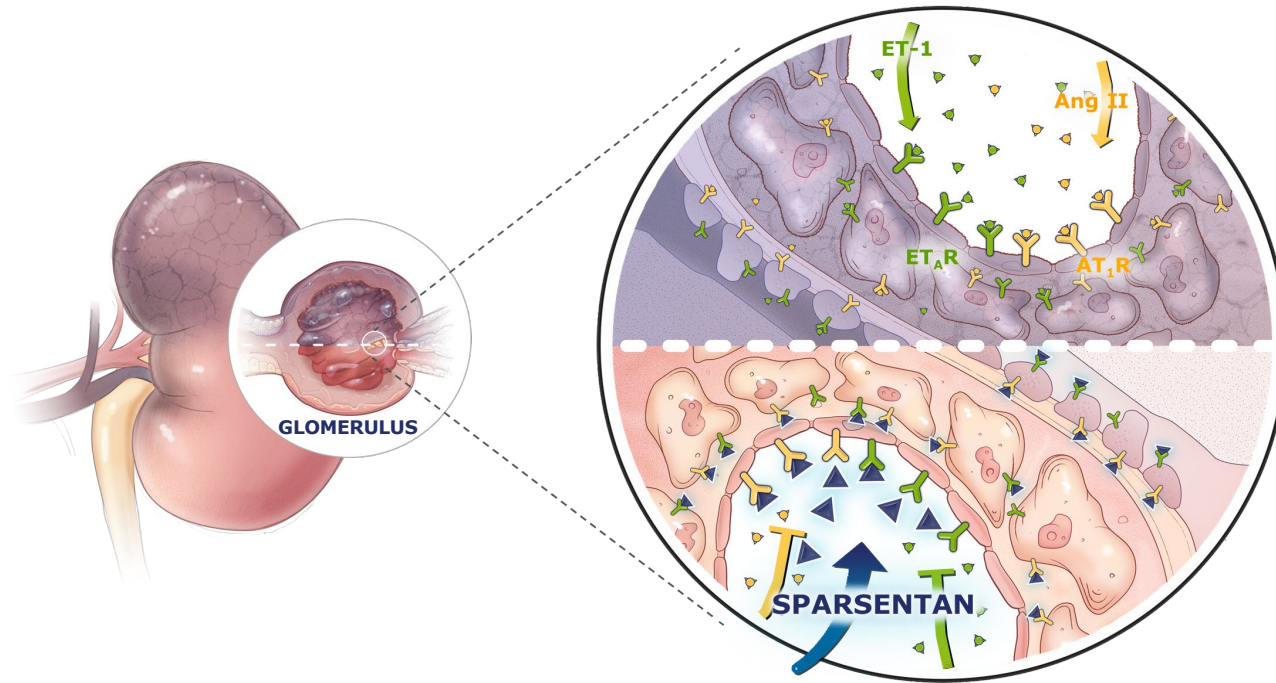


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Background

- Sparsentan (SPAR) is a non-immunosuppressive, single-molecule, dual endothelin angiotensin receptor antagonist (DEARA)¹ approved in the US and EU for adults with IgAN^{2,3}



Sparsentan targets glomerular injury and slows kidney function decline^{1,2}

EFFECTS:

Anti-inflammatory^{4-7*}

Anti-proliferative^{4,5,7*}

Anti-fibrotic^{6,7*}

Anti-proteinuric⁸

*These effects are based on pre-clinical animal modeling data.

Ang II, angiotensin II; AT₁R, angiotensin II type 1 receptor; DEARA, dual endothelin angiotensin receptor antagonist; ET-1, endothelin 1; ET_AR, endothelin-1 type A receptor; IgAN, immunoglobulin A nephropathy; SPAR, sparsentan.

1. Kohan DE, et al. *Clin Sci (Lond)*. 2024;138(11):645-662. **2.** FILSPARI (sparsentan). Prescribing Information. September 2024. Travele Therapeutics, Inc. San Diego, CA, USA. **3.** FILSPARI (sparsentan). SmPC. April 2024. CSL Vifor. Paris, France. **4.** Jenkinson C, et al. Poster presented at: ISN World Congress of Nephrology; April 12-15, 2019; Melbourne, Australia. SAT-010. **5.** Reily C, et al. *Am J Physiol Renal Physiol*. 2024;326:F862-F875. **6.** Nagasawa H, et al. *Nephrol Dial Transplant*. 2024;39:1494-1503. **7.** Jenkinson C, et al. Presentation at: International Symposium on IgANephropathy; September 27-29, 2018; Buenos Aires, Argentina. **8.** Rovin BH, et al. *Lancet*. 2023;402(10417):2077-2090.

Background (continued)

- In the pivotal Phase 3 PROTECT trial, SPAR showed sustained proteinuria reduction and better kidney function preservation vs the maximum labeled dose of irbesartan (IRB)¹
- In patients with IgAN, reduced proteinuria is associated with improved kidney survival²
- Even patients with proteinuria <1 g/day are at risk for developing kidney failure within 10 years of diagnosis³

Objective

- Determine the treatment effects of SPAR vs maximum labeled dose IRB in patients with IgAN in PROTECT between patient subgroups with baseline 24 h UPCR <1.0 and ≥1.0 g/g

IgAN, immunoglobulin A nephropathy; IRB, irbesartan; SPAR, sparsentan; UPCR, urine protein-to-creatinine ratio.

1. Rovin BH, et al. *Lancet*. 2023;402(10417):2077-2090. 2. Thompson A, et al. *Clin J Am Soc Nephrol*. 2019;14(3):469-481.

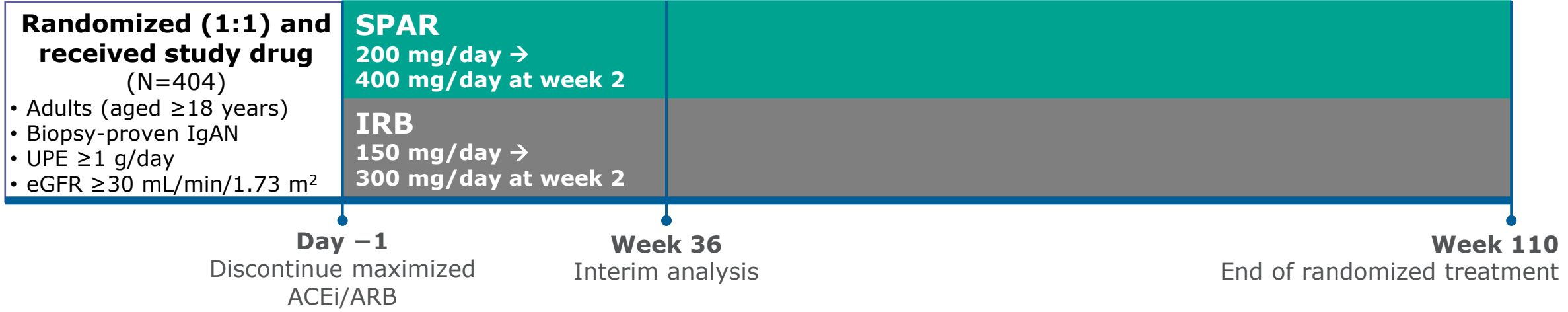
3. Pitcher D, et al. *Clin J Am Soc Nephrol*. 2023;18(6):727-738.

PROTECT Trial Design (NCT03762850)

Maximized ACEi/ARB

- ≥12 weeks prior to screening
- ≥50% maximum approved dose

Double-blind treatment
 Titrated to maximum labeled dose*
 110 weeks, randomized 1:1



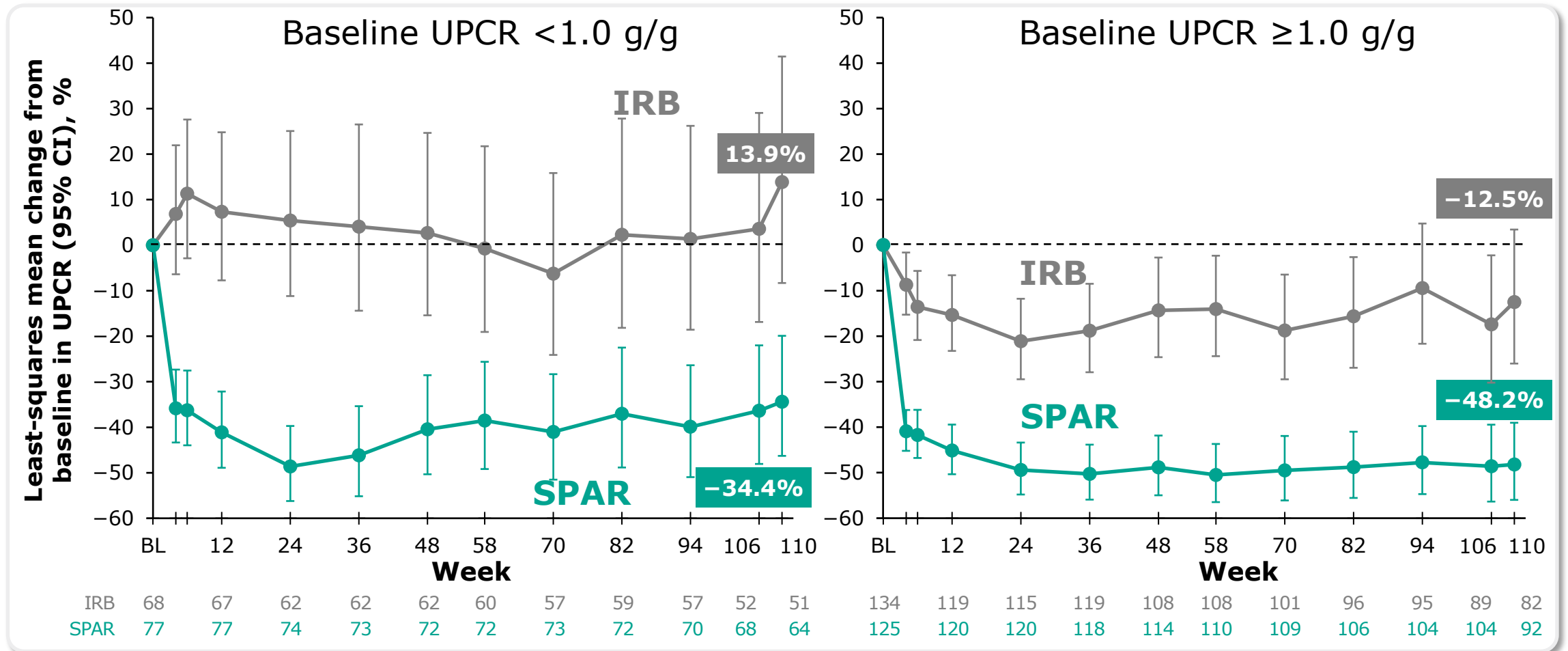
- Inclusion criterion of **UPE ≥1 g/day** at screening
- This analysis evaluates subgroups of **UPCR <1 vs ≥1 g/g** at baseline

ACEi, angiotensin-converting enzyme inhibitor; ARB, angiotensin receptor blocker; eGFR, estimated glomerular filtration rate; IgAN, immunoglobulin A nephropathy; IRB, irbesartan; SPAR, sparsentan; UPCR, urine protein-to-creatinine ratio; UPE, urine protein excretion.
 *95% and 97% of patients titrated to maximum labeled dose of sparsentan and irbesartan, respectively.

Patient Demographics and Baseline Characteristics Were Well Balanced Between Treatment Arms

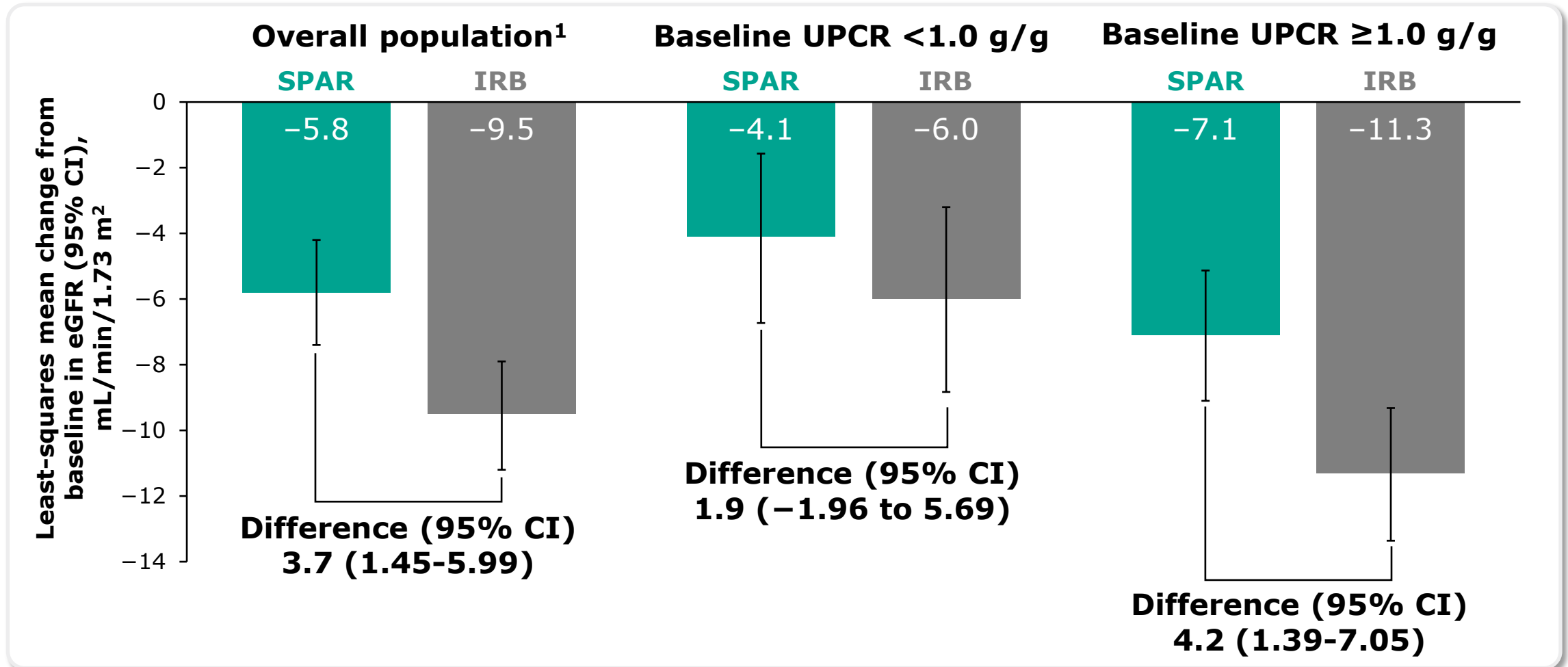
Baseline characteristics	Baseline UPCR <1.0 g/g (n=145)		Baseline UPCR ≥1.0 g/g (n=259)	
	SPAR (n=77)	IRB (n=68)	SPAR (n=125)	IRB (n=134)
Age at informed consent, mean (SD), years	46.2 (12.31)	47.2 (12.21)	46.8 (13.07)	44.5 (12.02)
Male, n (%)	63 (82)	58 (85)	76 (61)	85 (63)
eGFR, mean (SD), mL/min/1.73 m²	57.6 (24.78)	61.3 (25.59)	56.3 (24.13)	54.9 (22.27)
UPCR, median (IQR), g/g	0.72 (0.54-0.82)	0.76 (0.62-0.88)	1.69 (1.29-2.14)	1.52 (1.24-1.96)
UPE, median (IQR), g/day	1.15 (0.95-1.40)	1.31 (1.04-1.57)	2.51 (1.77-3.30)	2.32 (1.77-3.02)

SPAR Showed Rapid and Sustained Reductions in Proteinuria Through Week 110, Superior to Maximum Labeled Dose IRB, Regardless of Baseline UPCR Level



IRB, irbesartan; SPAR, sparsentan; UPCR, urine protein-to-creatinine ratio.

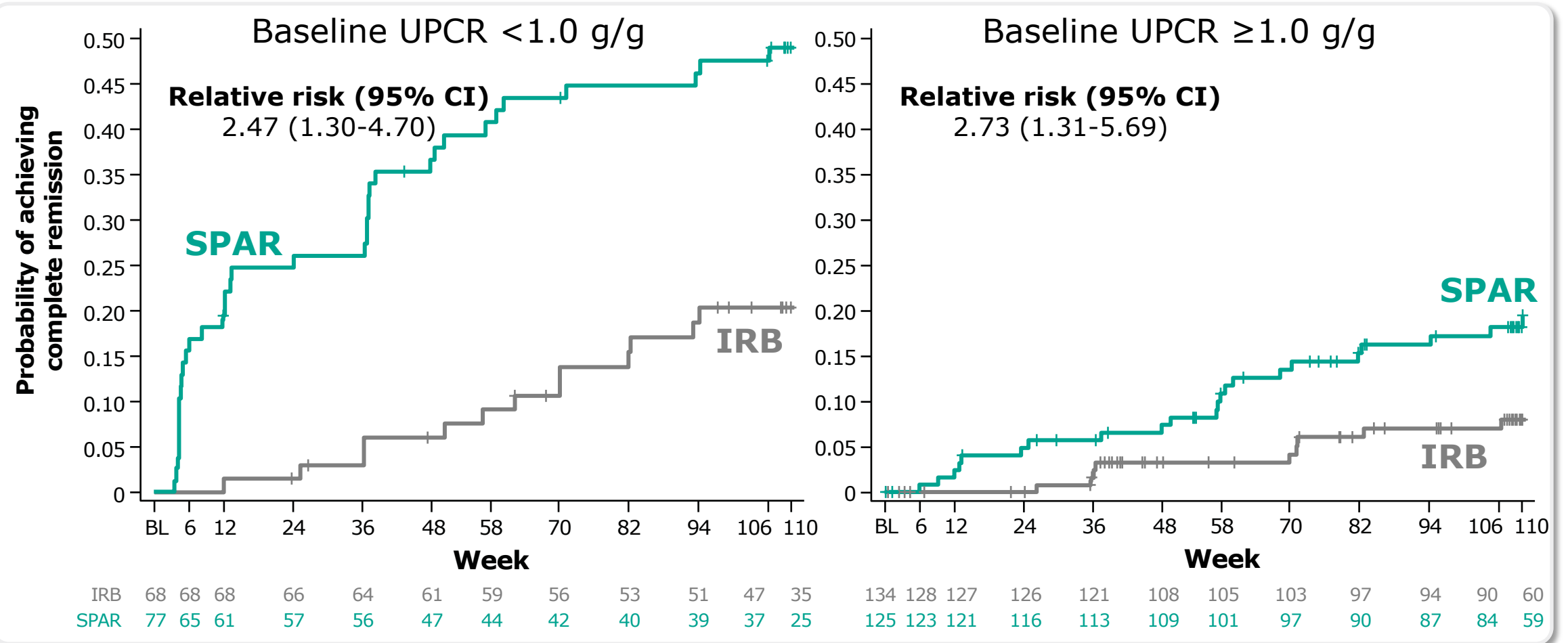
Absolute Change in eGFR From Baseline to Week 110 Was Lower With SPAR vs Maximum Labeled Dose IRB, Regardless of Baseline UPCR Level



eGFR, estimated glomerular filtration rate; IRB, irbesartan; SPAR, sparsentan; UPCR, urine protein-to-creatinine ratio.

1. Rovin BH, et al. *Lancet*. 2023;402(10417):2077-2090.

Complete Proteinuria Remission (<0.3 g/day) Was Achieved Earlier and More Frequently With SPAR vs IRB Regardless of Baseline UPCR Level



SPAR Was Well-Tolerated With a Consistent Safety Profile Across Baseline Proteinuria Subgroups, Comparable to Maximum Labeled Dose IRB

	Baseline UPCR <1.0 g/g (n=145)		Baseline UPCR ≥1.0 g/g (n=259)	
	SPAR (n=77)	IRB (n=68)	SPAR (n=125)	IRB (n=134)
Patients with any TEAE, n (%)	69 (90)	58 (85)	118 (94)	119 (89)
Discontinued treatment due to AE, n (%)	6 (8)	2 (3)	13 (10)	16 (12)
Most common AEs (≥15% in any group), n (%)				
COVID-19*	26 (34)	18 (26)	27 (22)	28 (21)
Dizziness	12 (16)	2 (3)	18 (14)	11 (8)
Headaches	8 (10)	7 (10)	19 (15)	19 (14)
Hyperkalemia	11 (14)	9 (13)	21 (17)	17 (13)
Hypertension	7 (9)	8 (12)	15 (12)	20 (15)
Hypotension	5 (6)	1 (1)	21 (17)	7 (5)
Peripheral edema	9 (12)	7 (10)	22 (18)	17 (13)

*PROTECT was conducted during the COVID-19 pandemic.

AE, adverse event; IRB, irbesartan; SPAR, sparsentan; TEAE, treatment-emergent adverse event; UPCR, urine protein-to-creatinine ratio.

- Rapid, superior proteinuria reduction was observed, and complete proteinuria remission was achieved earlier and more frequently with sparsentan vs maximum labeled dose irbesartan, regardless of baseline UPCR level
- Treatment with sparsentan showed greater kidney function preservation vs maximum labeled dose irbesartan in patients above or below 1 g/g
- Sparsentan's nephroprotective treatment effects are consistent across baseline proteinuria levels in patients with IgAN
- Given the draft KDIGO guidelines, which recommend treatment of patients with IgAN >0.5 g/day, these data support the use of sparsentan in patients traditionally considered low risk (<1 g/g)

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Questions?