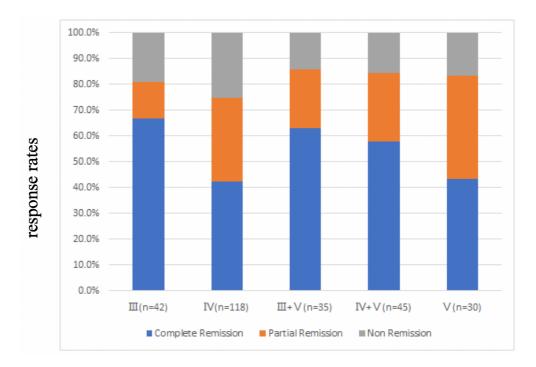
SUPPLEMENTARY MATERIAL FOR

Leflunomide Versus Azathioprine for Maintenance Therapy of Lupus Nephritis:
A Prospective, Multicenter, Randomized Trial and Long-term Follow-up

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The supplemental material includes:

- 1) Supplementary Figure 1
- 2) Supplementary Table 1-2



Supplementary Figure 1. Kidney response rates after induction therapy based on initial kidney biopsy class. Those who achieved complete remission and partial remission were enrolled in the maintenance therapy.

*215 patients who enrolled maintenance therapy

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Characteristics	Total	Leflunomide Group	Azathioprine Group		
	n=270	n=108	n=107		
Age - yr	32.4±10.4	30.8±9.1	33.2±10.9		
Female sex - no. (%)	236 (87.4%)	98 (90.7%)	92 (86.0%)		
Duration of lupus nephritis - months	16.3±33.7	12.8±28.0	14.7±31.0		
Organ involvement — no. (%)					
Mucocutaneous involvement	101 (37.4%)	34 (31.5%)	42 (39.3%)		
Musculoskeletal involvement	82 (30.4%)	26 (24.1%)	37 (34.6%)		
Serositis	36 (13.3%)	12 (11.1%)	14 (13.1%)		
Leukopenia and/or Thrombocytopenia	50 (18.5%)	22 (20.4%)	15 (14.0%)		
Anemia	116 (43.0%)	46 (42.6%)	42 (39.3%)		
Fasting blood glucose (mmol/L)	4.8±1.1	4.9±0.8	4.8±1.1		
Systolic BP (mmHg)	131.3±18.2	128.6±17.4	133.0±18.8		
Diastolic BP (mmHg)	83.3±12.6	82.0±12.3	83.2±11.4		
Hypertension — no. of patients (%)	81 (30.0%)	29 (26.9%)	31 (29.0%)		
Kidney-biopsy class — no. of patients (%)					
III or III + V	77 (28.5%)	33 (30.6%)	29 (27.1%)		
IV or IV + V	163 (60.4%)	67 (62.0%)	62 (57.9%)		
V only	30 (11.1%)	8 (7.4%)	16 (15.0%)		
#Kidney biopsy activity index score	6.9±3.7	6.9±3.5	6.3±3.6		
*Kidney biopsy chronicity index score	2.1±1.9	1.8±1.5	2.3±2.2		
Urinary protein — mg/24 hr	3072±2274	3216±2468	3037±2269		
Active urine sediment — no. of patients (%)	167 (61.9%)	65 (60.2%)	65 (60.7%)		

Supplemental material

^{*}baseline characteristics at the beginning of induction phase in 215 patients who achieved clinical response in the induction phase and enrolled in the maintenance therapy.

^{*}the kidney biopsy activity index score and chronicity index score were calculated based on 236 available data (94 diagnostic biopsies in LEF group and 94 in AZA group, respectively).

^{*}Other kinds of antihypertensive medications included: calcium channel blocker, β receptor blocker and diuretic.

Supplemental material

Characteristics	Baseline		6 months		12 months		24months		36 months	
	LEF (n=108)	AZA (n=107)	LEF (n=96)	AZA (n=95)	LEF (n=93)	AZA (n=89)	LEF (n=80)	AZA (n=75)	LEF (n=72)	AZA (n=65)
24h proteinuria, g (mean ± SD)	0.542±0.5	0.451±0.4	0.370±0.4	0.364±0.3	0.329±0.3	0.274±0.2	0.240±0.2	0.149±0.1	0.245±0.2	0.240±0.3
Serum albumin, g/L (mean ± SD)	41.1±3.8	41.5±4.1	42.3±4.1	43.9±4.2	44.7±3.3	46.1±3.6	43.8±3.3	44.8±3.5	43.6±6.4	47.2±4.6
Serum creatinine, μmol/L (mean ± SD)	67.2±20.8	66.8±19.0	62.7±17.0	67.2±20.1	65.4±26.0	66.2±19.1	63.0±15.3	60.4±14.2	60.0±14.6	61.4±13.4
eGFR, mL/minute/1.73m² (mean ±	132.6±44.	$132.7 \pm$	140.8±42.	$134.4 \pm$	143.3±46.	137.2±	140.2±39.	145.3±	144.0±36.	140.3±
SD)	0	38.3	7	36.6	8	35.7	6	36.6	2	32.0
Serum C3, mg/dL (mean ± SD)	848±236	891±203	862±286	891±295	881±211	1003±211	849±257	890±226	859±262	930±180
Serum C4, mg/dL (mean ± SD)	180±103	194±70	208±106	226±205	214±174	178±81	188±76	240±238	181±75	188±74
Anti-dsDNA antibodies (+, %)	41.7%	40.6%	43.5%	38.5%	47.4%	50.0%	42.9%	11.1%	25.0%	33.3%
Anti–dsDNA antibodies, IU/mL (mean ± SD)	26.1±54.4	14.8±21.4	11.9±11.2	14.7±34.0	11.0±12.7	15.7±16.1	5.0±4.6	9.7±13.0	23.7±44.2	23.3±28.0
SLEDAI (mean ± SD)	2.4±3.0	2.1±3.0	2.2±2.0	2.0±2.8	1.9±1.7	1.7±1.0	1.7±0.9	1.5±0.8	1.7±1.4	1.6±1.0