

INTRODUCTION

- Membranous lupus nephritis (MLN) is present in 10 to 20 % of lupus nephritis biopsies
- Patients typically present with nephrotic proteinuria, normal serum creatinine and few extra renal manifestations
- BUT a significant proportion of patients can progress to end-stage CKD → no consensus on which patients benefit for immunosuppressive therapy

AIMS

Evaluate the clinical characteristics and factors affecting the outcome and prognosis of patients with MLN

POPULATION AND METHODS

- Single centre, retrospective, cross-sectional study
- Follow-up Dec 2015: 106 ± 59 months
- Demographic, clinical and histological data at diagnosis and follow-up were collected
- Lupus nephritis classes – *International Society of Nephrology*

COMPLETE REMISSION

- 24 hour proteinuria <0.5g
- Normalization of renal function
- Inactive urinary sediment

PARTIAL REMISSION

- 24 hour proteinuria = 0.5–1.5g
- Improved renal function

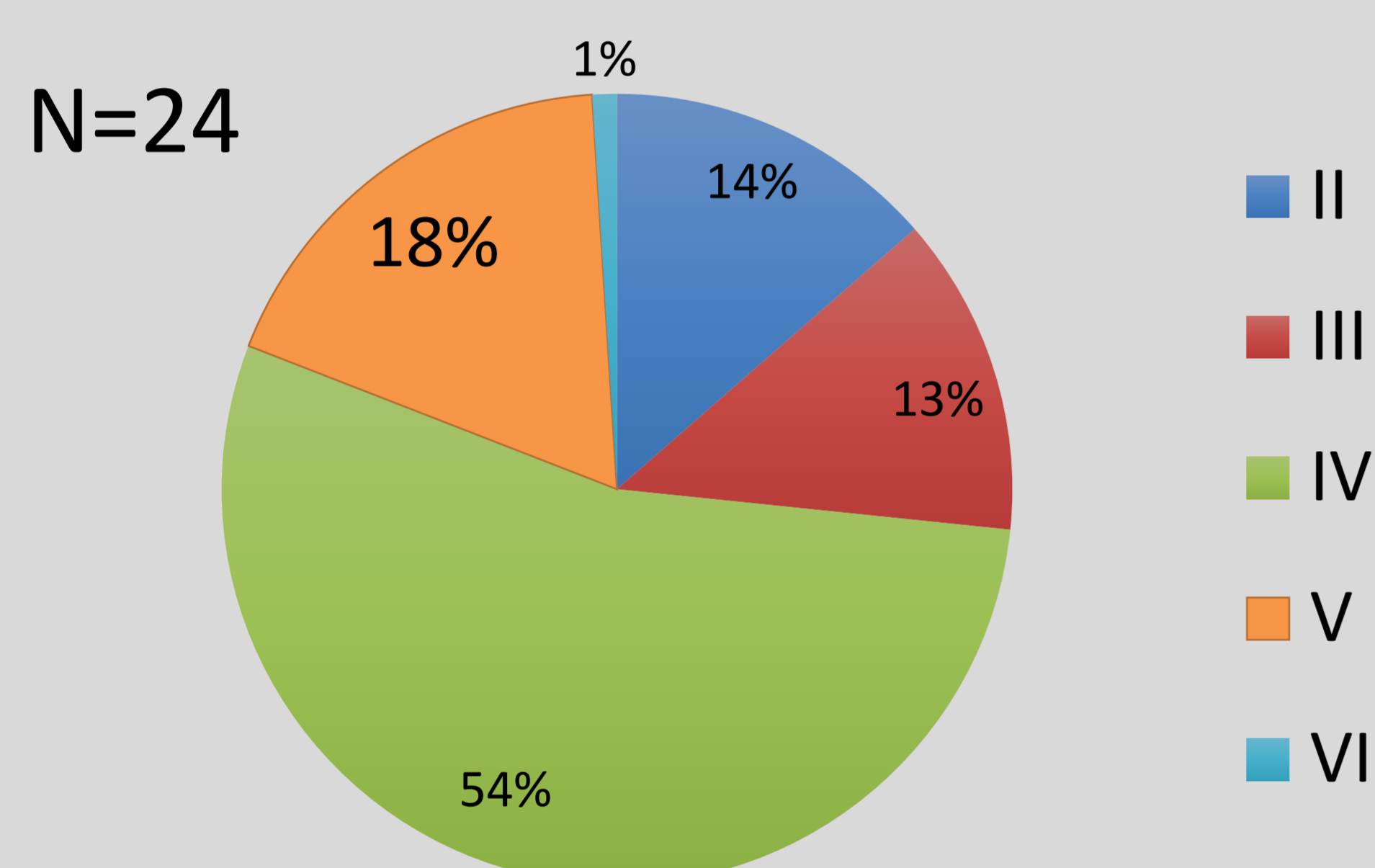
FLARE

- *De novo* active urinary sediment
- 24 hour proteinuria >1.5g
- 25% increase in creatinine

RESULTS

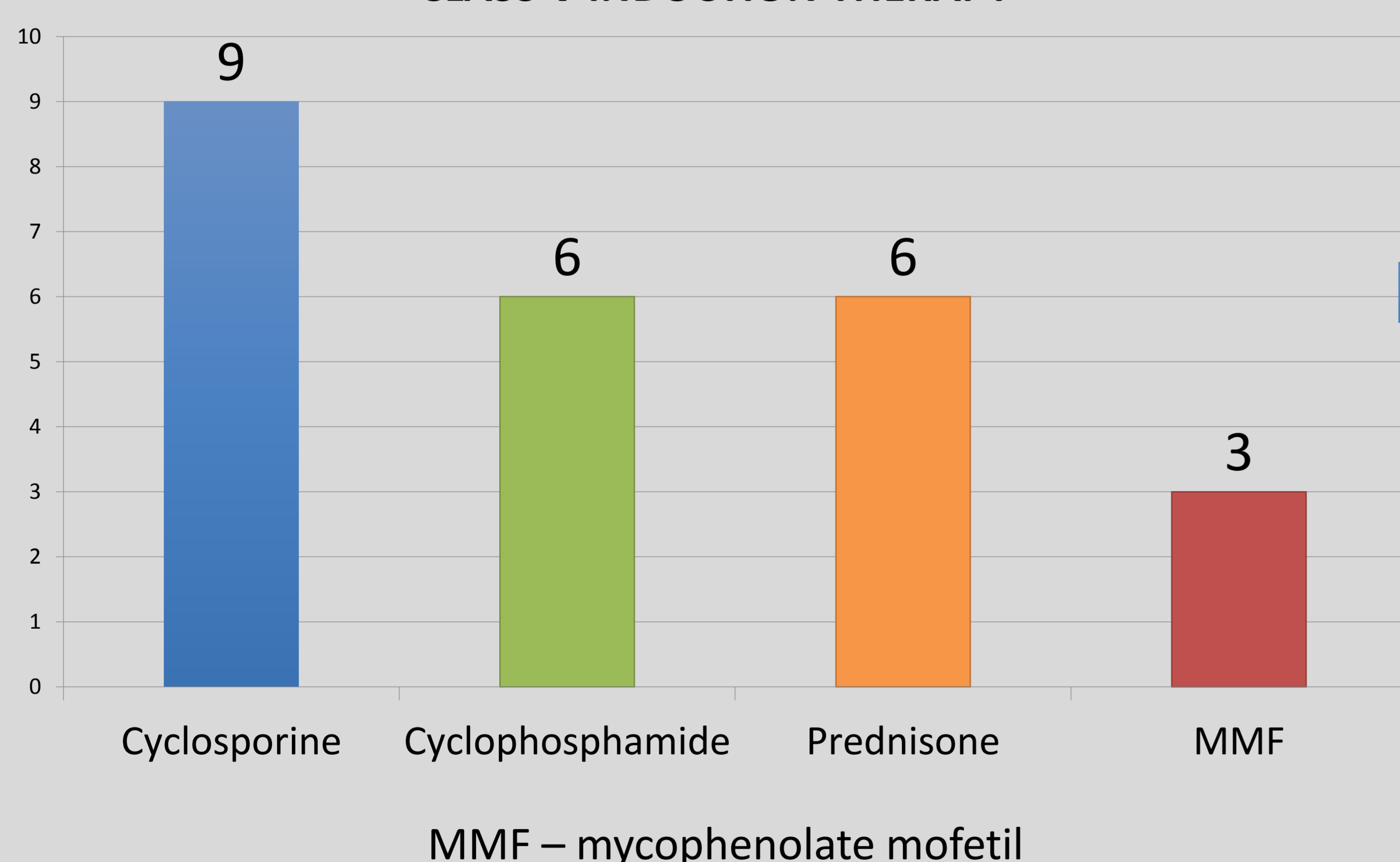
TOTAL → 133 patients

NL CLASS



	Class V N=24	Class III / IV N=90	p
Extra-renal symptoms	5%	70%	<0.01
Low C3/C4 (%)	10%	60%	<0.01
dsDNA (IU/mL)	23 ± 20	86 ± 70	0.03
Serum creatinine (mg/dL)	0.9 ± 0.4	1.3 ± 0.8	0.02
24 hour proteinúria (g)	8.1	3.2	<0.01

CLASS V INDUCTION THERAPY



6 MONTHS

- 22 patients complete remission
- 2 patients no remission (steroids only)

FOLLOW UP (106 ± 59 months)

- 5 patients GFR < 60mL/min/m²
- 3 patients progressed to proliferative class

CKD PROGRESSION RISK FACTORS

Sclerosis on biopsy	OR 6.0 [1.3-13.2], p <0.01
24h proteinuria	8.1 vs 3.2 g, p =0.01
Serum creatinine	1.4 vs 0.6 mg/dL, p=0.004
Steroids monotherapy	37.5% vs 12.5%, p > 0.05

CONCLUSIONS

- Our series 18% lupus nephritis biopsy → MLN; CKD progression: 21%
- Risk factors for CKD: sclerosis in initial biopsy, higher 24 hour proteinuria and higher serum creatinine at presentation
- Monotherapy with prednisone at diagnosis associated with worst renal outcomes