

# REGISTER OF RENAL BIOPSIES OF THE NEPHROLOGY SERVICE OF SAN MARTIN HOSPITAL, LA PLATA, BS AS

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**Introduction.** In 2019, the Nephrology Service of San Martín Hospital in La Plata, Buenos Aires, began the prospective registry of patients undergoing renal biopsy (RB) with the aim of identifying demographics, clinical characteristics and reasons for indicating RB, as well as to understand its histopathological diagnoses.

**Materials and Methods.** Patients  $\geq 15$  years of age who underwent native kidney biopsy from March 01, 2019 to July 31, 2023 were included. Demographic, clinical and biochemical variables were recorded. Indications for RB were defined: Nephrotic Syndrome (NS), Acute Nephritic Syndrome (ANS), Nephritic Nephrotic Syndrome (NNS), Rapidly Progressive Renal Injury (RPKI) and Proteinuria and Hematuria isolated or combined with acute kidney injury (AKI) or chronic kidney disease (CKD).

## Results.

- 229 consecutive RB
- Females 61.1%

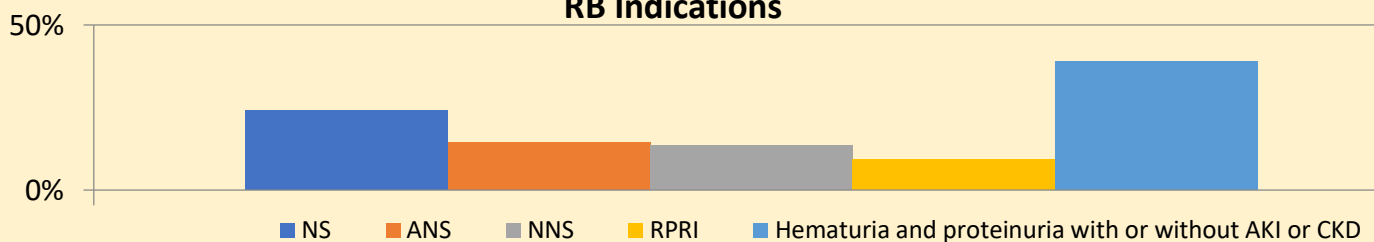
- Age 39.8 ((SD) 16.4)
- 90.4% Argentine nationality
- 37.6% Resided in La Plata, Berisso and Ensenada

- 59.4% edema
- 55% extrarenal symptoms.
- 79.5% one or more comorbidity.
- 85.6% received pharmacological treatment

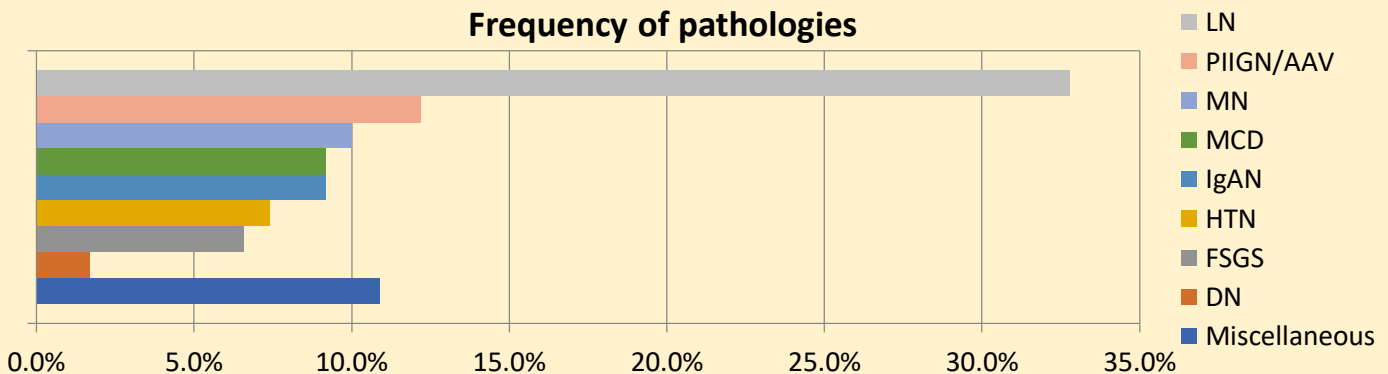
- Body mass index 26.4 (SD 5.4)
- Systolic Blood Pressure 126.8mmHg (SD 16.9)
- Diastolic Blood Pressure 80.5mmHg (SD 11.8)

- Immunofluorescence mycroscopy 76.4% and electron mycroscopy 18.8% of cases
- Average glomeruli 19 (SD 10.9)

## RB Indications



## Frequency of pathologies



**Conclusions.** This 51-month prospective study determined that the population served was mostly female, with an average age of 38, most residing in the interior of the Buenos Aires Province. The most frequent indication for RB was proteinuria and hematuria isolated or combined with AKI or CKD and the main diagnoses LN, PIIGN/AAV and MN. *We highlight the usefulness of this work for improving quality of care in the diagnosis, treatment and monitoring of patients affected by glomerulopathies.*