



Clinical Outcomes of Infection Related Glomerulonephritis in Adults

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Abstract:

Introduction: Infection related glomerulonephritis (IRGN) is a prototype example of immune mediated glomerular injury. It is classically described to have complete remission, however it can have a guarded prognosis, including dialysis dependence.

Methods: Adult renal biopsies between July 2018 - January 2020 were screened, and biopsies with IRGN included. The demographic, clinical and laboratory data upto 6 months were analysed.

Results: The study included 27 patients with a mean age of 43±15.1 years, 74.1% patients being male. Eight patients were known hypertensives (HTN) and 10 were diabetics (DM), among which 6 had both DM and HTN. At presentation, mean eGFR was 16.7±17.5 mL/min/1.73 m². The mean time from onset of infection to presentation was 8.5 day, with a maximum lag of 22 days. Most patients presented with Rapidly progressive glomerulonephritis (RPGN) (74.1%), and HTN at presentation was present in 20 patients (74.1%), among which only 8 patients had history of HTN. Out of the 14 patients with no past history of hypertension who presented with elevated BP, 3 patients (21.4%) had persistent HTN at 3 months, and one patient (7.1%) had persistent HTN even at 6 months follow up. Complete renal recovery at 6 months was seen in 22 (84.6%) patients.

Conclusion: IRGN can have an aggressive course in adults, with persistent renal failure even beyond 3 months. It should no longer be considered a self limited disease, and can also lead to development of HTN.

Biography:

Dr. Anvita Anne completed her MBBS from the prestigious Dr. Pinnamaneni Siddhartha Institute of Medical Sciences, India in July 2020 and is currently working as a public health practitioner in her hometown. She is interested in pursuing post-graduation



in Internal Medicine in the USA. She has special interest in nephrology and teaching methods and presented many papers at international level. The recent conferences where her abstracts were selected include: 1. International Society of Nephrology- World Congress of Nephrology, 2020 (Ultrasound based assessment of the variations of internal jugular vein anatomy in relation to the common carotid artery). 2. Leadership in Healthcare conference, BMJ associated event, London, September 2020 (Turning adversity into opportunity: Undergraduate led improvisation in teaching methods). She has also sent many papers for publication, which are currently under review process.

Recent Publications:

1. Cardiorenal Syndrome: Classification, Pathophysiology, Diagnosis, and Treatment Strategies. A Scientific Statement From the American Heart Association. *Circulation*. 2019;139:e840-e878.
2. Bright R. Cases and observations illustrative of renal disease accompanied by the secretion of albuminous urine. *Guys Hospital Reports*. 1836: 338-400.

Webinar on Hypertension, September 19, 2020, London, United Kingdom

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