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A study of renal injury in Hansen's disease patient from tribal area of Central India¹Punit Gupta, ²Gurvinder C, Ayushi M and Himani S¹Pt. Jawaharlal Nehru Memorial Medical College, India²Dr. Bheem Rao Ambedkar Memorial Hospital, India

Aim: Renal injury in patients of leprosy is due to acute tubular necrosis, drug-induced interstitial nephritis and rarely crescentic glomerulonephritis. Renal injury seems to be common in patients with erythema nodosum leprosum (ENL) This study is based on the detection of the renal injury in patient who had taken treatment for Hansen's disease.

Material & Methods: The study was conducted on 69 patients of treated Hansen's disease attending OPD & admitted in, Nephrology Unit, Pt. Jawaharlal Nehru Memorial Medical College. All patients underwent general examination, BMI estimation & were subjected to CBC, S. urea, S. creatinine, urine albumin, urine sugar, and echo.

Results:

- Total number of patient 69.
- 56.52% were males and 43.47% were females.
- 56.52% of the treated Hansen's disease patients were having renal injury.
- Among the patients with proteinuria, 73.91% were males and 26.08% were females.
- Mean age of the treated Hansen's disease patients with renal injury is 62.05 ± 10.35 years.
- Among the treated Hansen's disease patients with renal injury 56.52% were hypertensive & anaemic.
- 33.33% were underweight (BMI<18.5 kg/m²) of which 73.91% were males among the treated Hansen's disease patients with renal injury.
- Among the treated Hansen's disease patients with proteinuria, hypertension & anaemia, 85.50% had leprosy related deformity (claw hand, trophic ulcer, lost toes/fingers).
- Anaemia was present in 82.60% of the patients, 56.52% were males and 43.48% were females.
- 39.13% of the patients were having LVH by electrocardiography of which 77.77% had hypertension in treated Hansen's disease patients with renal injury.
- Renal replacement therapy i.e. Hemodialysis required in 2.89% patients.
- Only one death is noted among the patient of Total number of patient 69.
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Conclusion:

- Male were more commonly affected by Renal injury among treated Hansen's disease patient
- Renal injury was more commonly seen in geriatric age group patients.
- Renal injury with Hansen disease shows more prevalence of Hypertension and anaemia.
- Treated case of Hansen disease with renal injury shows more leprosy related deformity (claw hand, trophic ulcer, lost toes/fingers).
- Most common finding on Echocardiography was Left ventricular hypertrophy seen among the treated Hansen's disease patients with renal injury.
- Underweight was more common in male patients of Hansen's disease with renal injury.

Biography:

Punit Gupta, was Professor in Government Medical College Hospital (consider to be the tribal of India), Raipur, India. He has done bachelor's degree in 2000 i.e. MBBS, then master's degree in general medicine in 2003 i.e. MD, then Super specialty in Nephrology i.e. DM, With PHD degree. He also awarded the prestigious ISPD SCHOLARSHIP and ASN fellowship. He has awarded with APCN developmental award in Malaysia. Also awarded with many oral and poster presentations National and International. He has presented highest number of papers i.e. 31 abstracts in single conference under his name till date around 175 paper and abstract are presented by him in different conferences

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