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## A Study on Hematological Profile in Patients of Chronic Renal Failure With Special Reference to Serum Iron Profile

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Aims & Objectives: 1. To assess the various hematological changes in CRF (CKD stage 3 to 5).

2. To assess the correlation between hematological parameters and biochemical parameters.

Methods And Materials : Prospective observational study for a period of 1 year (2016-2017).

Results: Present study showed highest number cases in the age group of 51-60 year (37% of cases) and maximum number of the cases were between 4th and 5th decade (71% of cases) with mean age of 49.88 years (+ 10.47).

The serum creatinine in the present study varies from 4.1 to 16.6 mg/dl with mean of 8.85+ 2.20 mg/dl. Majority of the cases were having S. creatinine between 5.1-10 mg/dl (72%) followed by 24% in the range 10.1-15 mg/dl.

In the present series 58% cases were having random blood sugar <200mg/dl and 42% cases with blood sugar > 200mg/dl with mean value of 191.33 +107.23 mg/dl.

Conclusions: It is recommended that patients presenting with hypertension or diabetes mellitus or both, should be screened thoroughly for any evidence of CKD, and to evaluate accordingly to delay the progression of the disease.

During evaluation of a case of anemia active search for any occult/underlying renal pathology should be done, to detect early CKD and to retard its progression by appropriate measures.

### Biography

At the age of 22 years, Dr. Kallol Bhattacharjee passed his M.B.B.S. examination of Gauhati University in 1986 and M.D. (General Medicine) under the same university located at Guwahati, Assam in the north eastern India in 1990. Thereafter he has been working in various capacities as a specialist in internal medicine at Silchar Medical College and Hospital, Silchar, Assam, India since 1991. He has been trained in critical care and nephrology at Gauhati Medical College, Guwahati, Assam and has been awarded Fellowship of Indian College of Physicians (F.I.C.P.) by the Indian College of Physicians (I.C.P.), an academic wing of Association of Physicians of India (A.P.I.) at Mumbai in January 2017. He has published over 20 original research papers at various national and international journals.

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