

Supplementary Tables

Table S1: Correlation of hepcidin with other variables

Variable	Spearman coefficient (r)	p-value
eGFR	0.393	0.127
Hb	0.278	0.005
Iron	0.222	0.025
Ferritin	0.113	0.256
TSAT	0.156	0.117
TIBC	-0.073	0.465
GDF-15	-0.152	0.127
hsCRP	0.162	0.105

Spearman analysis was done as the data is non-parametric. $p < 0.05$ was considered significant. eGFR: estimated Glomerular Filtration rate, GDF-15: Growth Differentiation Factor-15, TSAT: Transferrin Saturation, TIBC: Total Iron Binding Capacity, hsCRP: highly sensitive C-Reactive Protein, Hb: Hemoglobin

Table S2: Correlation of GDF-15 with other variables

Variable	Spearman coefficient (r)	p-value
eGFR	-0.462	<0.000001
Hb	-0.481	<0.000001
Iron	-0.120	0.161
Ferritin	0.346	<0.0001
TSAT	0.099	0.2493
TIBC	-0.353	0.0001
Hepcidin	-0.152	0.127
hsCRP	0.223	0.0088

Spearman analysis was done as the data is non-parametric. $p < 0.05$ was considered significant. eGFR: estimated Glomerular Filtration Rate, GDF-15: Growth Differentiation Factor-15, TSAT: Transferrin Saturation, TIBC: Total Iron Binding Capacity, hsCRP: highly sensitive C-Reactive Protein, Hb: Hemoglobin

Table S3 Cut-off & validity of Hepcidin in Iron-deficiency Anemia in CKD

Area under the ROC curve (AUC)	0.702
Optimal criterion	178.78 pg/ml
Sensitivity	72.73%
Specificity	70.97%

Table S4 Cut-off & validity of GDF-15 in Iron-deficiency Anaemia in CKD

Area under the ROC curve (AUC)	0.630
Optimal criterion	16.29 ng/ml
Sensitivity	50%
Specificity	96.87%

Table S5 Cut-off & validity of Hepcidin and GDF-15 in diagnosing functional iron deficiency anemia in CKD

Test Parameter	Predictive value of Hepcidin for FID	Predictive value of GDF-15 for FID
Cut-off	233.7 pg/ml	30.09 ng/ml
Area under the ROC curve (AUC)	0.69 (95%CI: 52.5%-82.7%)	0.68 (95%CI: 52.6%-82.1%)
Sensitivity	73.08%	51.85%
Specificity	100%	93.33%