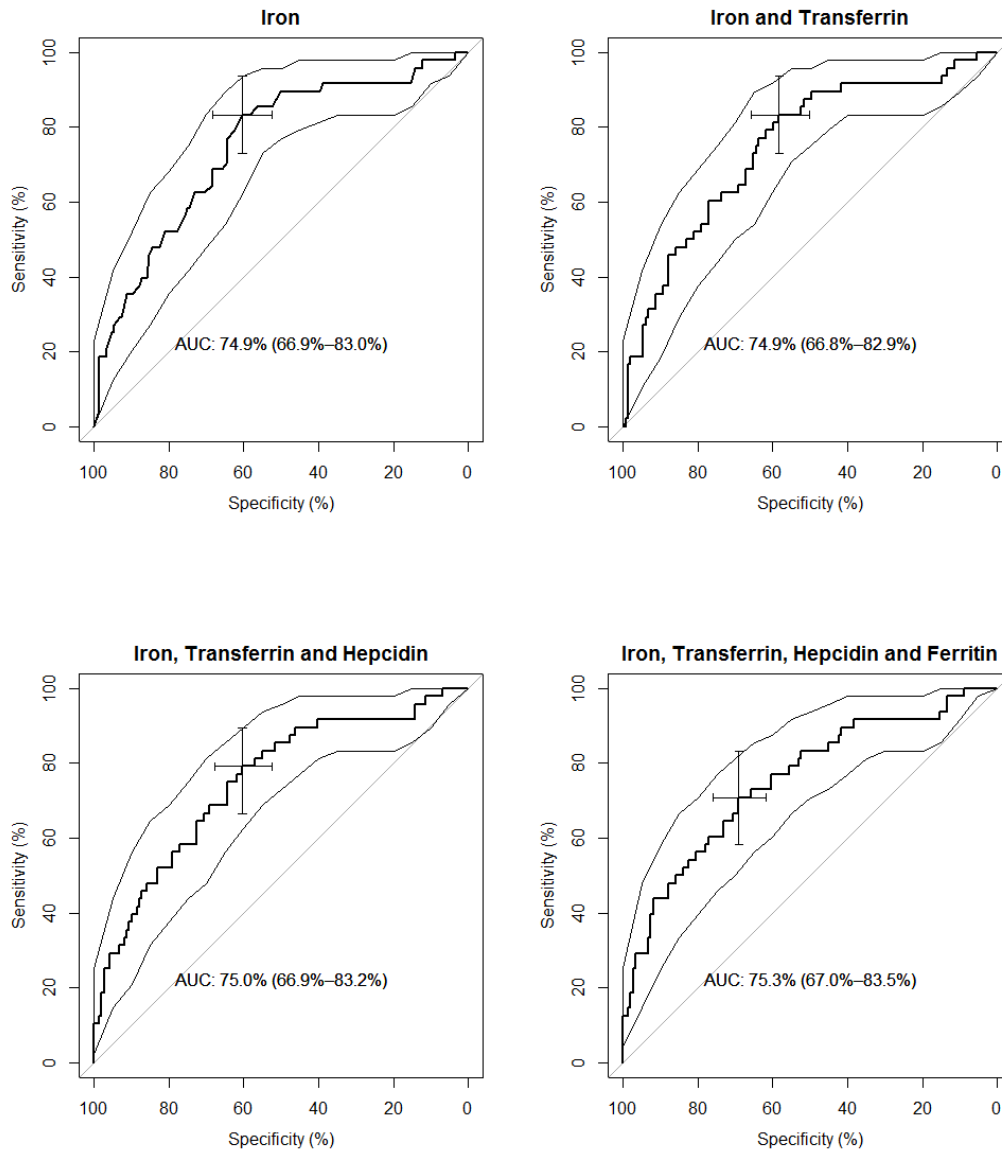
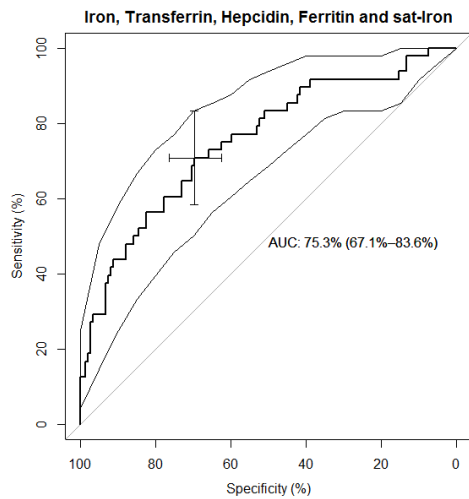


1 **Additional file 1**

2 **Figure 1.** ROC curves of the random combined prediction of iron, transferrin (saturation), hepcidin
3 and ferritin for AI.





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Combined prediction of iron parameters

AUC (95% Confidence Interval)

Iron: 0.749 (0.669-0.83)

Iron + Transferrin: 0.749 (0.668-0.829)

Iron + Transferrin + Hepcidin: 0.75 (0.669-0.832)

Iron + Transferrin + Hepcidin + Ferritin: 0.753 (0.67-0.835)

Iron + Transferrin + Hepcidin + Ferritin +Transferrin saturation: 0.75 (0.67-0.84)

Optimal cut-off values sensitivity and specificity for the combined predictive values of Iron,
Transferrin, Hepcidin and Ferritin

	I	I+T	I+T+H	I+T+H+F	I+T+TF+H+F
Sensitivity	0.77	0.77	0.77	0.77	0.71
Specificity	0.64	0.64	0.64	0.64	0.68

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