

Figure S1 ROC analysis of TCP-related radiological parameters to distinguish STC and healthy individuals. A ROC analysis predicted scores with the area under the curve (AUC) and the corresponding specificity and sensitivity that maximized the Youden Index. AUC, area under the curve; DTCP, degree of transverse colon ptosis; HI, the vertical distance from the hepatic flexure to the right iliac crest; HT, the vertical distance from the hepatic flexure to the lowest point of transverse colon; ROC, receiver operating characteristic; SH, the vertical distance from the splenic flexure to the hepatic flexure; SI, the vertical distance from the splenic flexure to the left iliac crest; STC, slow transit constipation; TCP, transverse colon ptosis; TI, the vertical distance from the lowest point of transverse colon to the L4-L5 interspace.

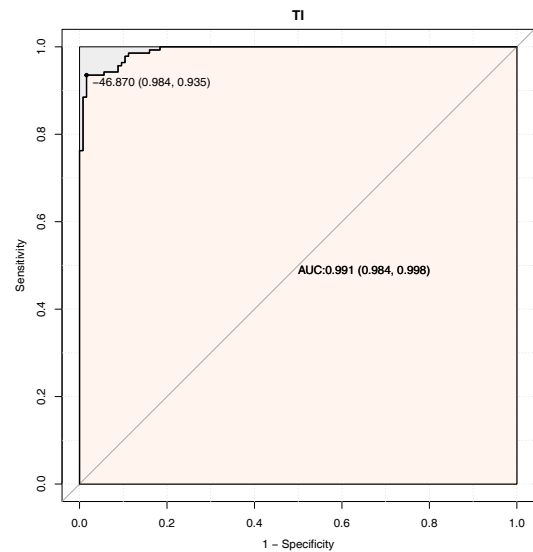


Figure S3 ROC curve revealed a cutoff TI value of -46.87 mm to segregate patients with STC from healthy individuals. (AUC =0.991, with sensitivity 0.935 and specificity 0.984). AUC, area under the curve; ROC, receiver operating characteristic; STC, slow transit constipation; TI, the vertical distance from the lowest point of transverse colon to the L4-L5 interspace.

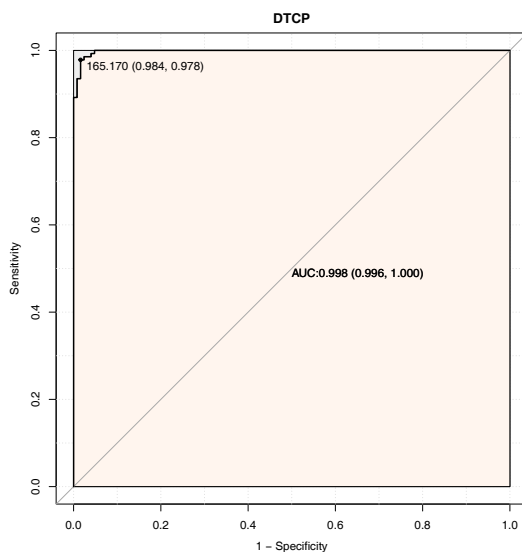


Figure S2 ROC curve revealed a cutoff DTCP value of 165.17 mm to segregate patients with STC from healthy individuals. (AUC =0.998, with sensitivity 0.978 and specificity 0.984). AUC, area under the curve; DTCP, degree of transverse colon ptosis; ROC, receiver operating characteristic; STC, slow transit constipation.

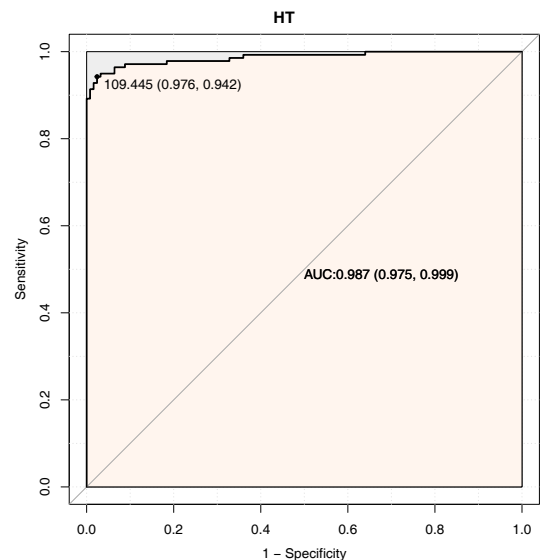


Figure S4 ROC curve revealed a cutoff HT value of 109.45 mm to segregate patients with STC from healthy individuals. (AUC =0.987, with sensitivity 0.942 and specificity 0.976). AUC, area under the curve; ROC, receiver operating characteristic; SH, the vertical distance from the splenic flexure to the hepatic flexure; STC, slow transit constipation.

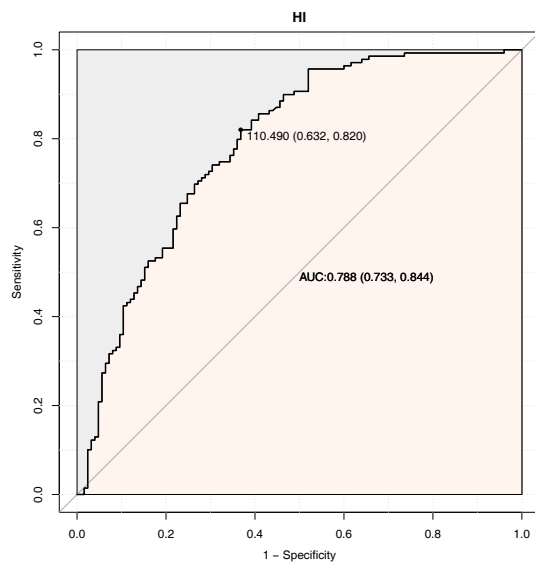


Figure S5 ROC curve revealed a cutoff HI value of 110.49 mm to segregate patients with STC from healthy individuals. (AUC =0.788, with sensitivity 0.820 and specificity 0.632). AUC, area under the curve; HI, the vertical distance from the hepatic flexure to the right iliac crest; ROC, receiver operating characteristic; STC, slow transit constipation.

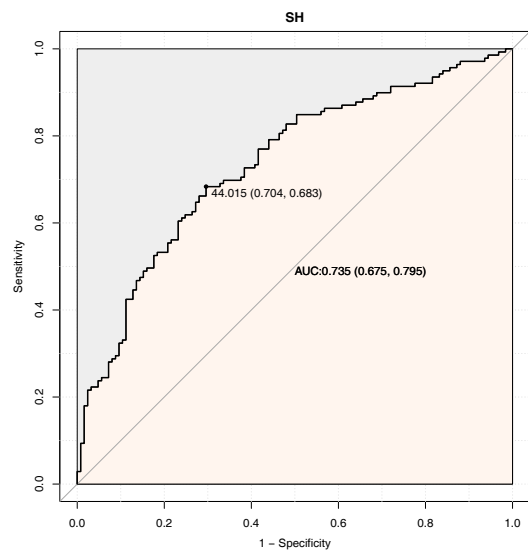


Figure S7 ROC curve revealed a cutoff SH value of 44.02 mm to segregate patients with STC from healthy individuals. (AUC =0.735, with sensitivity 0.683 and specificity 0.704). AUC, area under the curve; ROC, receiver operating characteristic; SH, the vertical distance from the splenic flexure to the hepatic flexure; STC, slow transit constipation.

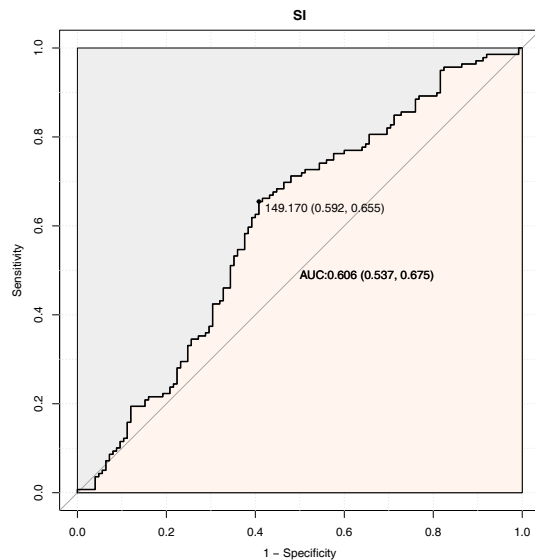


Figure S6 ROC curve revealed a cutoff SI value of 149.17 mm to segregate patients with STC from healthy individuals. (AUC =0.606, with sensitivity 0.655 and specificity 0.592). AUC, area under the curve; ROC, receiver operating characteristic; SI, the vertical distance from the splenic flexure to the left iliac crest; STC, slow transit constipation.