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Bile Acid Deficiency in Subgroup of Patients With Irritable Bowel Syndrome With Constipation Based on Biomarkers in Serum and Fecal Samples

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Abbreviations:

BA – Bile Acid
 BAM – Bile Acid Malabsorption
 BMI – Body Mass Index
 C4 - 7 α -hydroxy-4-cholesten-3-one
 CDCA – chenodeoxycholic acid
 CA – cholic acid
 DCA – deoxycholic acid
 ELISA - Enzyme-Linked Immunosorbent Assay
 FGF19 - Fibroblast Growth Factor 19
 GC – geometric center
 GPBAR1 (TGR5) - G protein-coupled bile acid receptor 1
 HV – Healthy volunteers
 HPLC - High Performance Liquid Chromatography
 IBAT – Ileal bile acid transporter
 IBS-C – irritable bowel syndrome with constipation
 IBS-D - irritable bowel syndrome with diarrhea
 In – Indium
 LCA – Lithocholic Acid
 LC-MS/MS - Liquid chromatography tandem-mass spectrometry
 SD – Standard Deviation

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