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A Predictive Model to Identify Patients With Fecal Incontinence Based on High-definition Anorectal Manometry

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Short Title: Prediction Model for Fecal Incontinence

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Abbreviations: FI, fecal incontinence; FISI, fecal incontinence severity Index; HRAM, high-resolution anorectal manometry; 3D-HDAM, three-dimensional high-definition anorectal manometry; HPZ, high pressure zone; ASI, anorectal asymmetry index; LDA, linear discriminant analysis; QDA, quadratic discriminant analysis; LR, logistic regression; AUC, area under curve; ROC, receiver operating characteristic; IQR, interquartile range; CI, confidence interval

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Author Contributions: Ali Zifan carried out data analysis, software development, creating figures, and writing of the manuscript. Ravinder K Mittal was involved in conceiving the study, design of experiment, supervised data acquisition, analysis and interpretation of data, drafting, writing and editing the manuscript. Finally, Melissa Ledgerwood-Lee was responsible for recruiting subjects for the study, data acquisition and intellectual input.

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