Pathophysiological Group   Functional Group

Whole Set Prediction of Poor CGI at 12-Months

Pathophysiological Model Fold	AUROC	Accuracy	Sensitivity	Specificity	Functional Model Fold	AUROC	Accuracy	Sensitivity	Specificity
Fold 1	0.69	0.63	0.55	0.78	Fold 1	0.69	0.69	0.79	0.52
Fold 2	0.59	0.60	0.58	0.64	Fold 2	0.66	0.63	0.64	0.62
Fold 3	0.69	0.67	0.71	0.61	Fold 3	0.72	0.66	0.63	0.73
Fold 4	0.70	0.64	0.59	0.73	Fold 4	0.70	0.71	0.68	0.81
Fold 5	0.71	0.65	0.56	0.80	Fold 5	0.77	0.68	0.62	0.88
Fold 6	0.65	0.61	0.55	0.75	Fold 6	0.54	0.60	0.63	0.53
Fold 7	0.70	0.64	0.60	0.72	Fold 7	0.69	0.70	0.76	0.57
Fold 8	0.65	0.69	0.83	0.43	Fold 8	0.61	0.60	0.41	0.91
Fold 9	0.65	0.64	0.67	0.59	Fold 9	0.64	0.60	0.52	0.79
Fold 10	0.65	0.58	0.49	0.75	Fold 10	0.66	0.62	0.50	0.78
Cross-validated Mean (CI)	0.67 (0.64-0.69)	0.64 (0.61-0.66)	0.61 (0.54-0.68)	0.68 (0.60-0.76)	Cross-validated Mean (CI)	0.67 (0.62-0.71)	0.65 (0.62-0.68)	0.62 (0.53-0.70)	0.71 (0.61-0.82)

Sharpe 2010 'Subjective' Feature Set Prediction of Poor CGI at 12-Months

Pathophysiological Model Fold	AUROC	Accuracy	Sensitivity	Specificity	Functional Model Fold	AUROC	Accuracy	Sensitivity	Specificity
Fold 1	0.69	0.66	0.66	0.66	Fold 1	0.57	0.66	0.84	0.35
Fold 2	0.58	0.56	0.48	0.70	Fold 2	0.67	0.69	0.73	0.56
Fold 3	0.62	0.69	0.83	0.43	Fold 3	0.72	0.66	0.63	0.73
Fold 4	0.62	0.60	0.57	0.66	Fold 4	0.63	0.61	0.51	0.79
Fold 5	0.68	0.62	0.51	0.80	Fold 5	0.58	0.53	0.40	0.82
Fold 6	0.69	0.64	0.56	0.80	Fold 6	0.47	0.49	0.37	0.67
Fold 7	0.65	0.61	0.59	0.65	Fold 7	0.76	0.66	0.58	0.89
Fold 8	0.65	0.67	0.71	0.59	Fold 8	0.70	0.67	0.65	0.73
Fold 9	0.70	0.64	0.61	0.70	Fold 9	0.69	0.60	0.45	0.91
Fold 10	0.65	0.51	0.36	0.87	Fold 10	0.64	0.65	0.79	0.43
Cross-validated Mean (CI)	0.65 (0.63-0.68)	0.62 (0.58-0.66)	0.59 (0.50-0.68)	0.69 (0.60-0.77)	Cross-validated Mean (CI)	0.64 (0.58-0.70)	0.62 (0.57-0.67)	0.59 (0.48-0.71)	0.69 (0.55-0.82)

Univariate Reduced 'Objective' Feature Set Prediction of Poor CGI at 12-Months

Pathophysiological Model Fold	AUROC	Accuracy	Sensitivity	Specificity	Functional Model Fold	AUROC	Accuracy	Sensitivity	Specificity
Fold 1	0.66	0.62	0.57	0.72	Fold 1	0.75	0.66	0.49	1.00
Fold 2	0.73	0.64	0.44	0.93	Fold 2	0.69	0.70	0.75	0.59
Fold 3	0.58	0.62	0.68	0.48	Fold 3	0.53	0.49	0.33	0.90
Fold 4	0.60	0.62	0.60	0.64	Fold 4	0.44	0.60	0.88	0.15
Fold 5	0.62	0.63	0.65	0.59	Fold 5	0.44	0.55	0.65	0.36
Fold 6	0.61	0.57	0.52	0.69	Fold 6	0.67	0.60	0.44	0.83
Fold 7	0.58	0.63	0.69	0.52	Fold 7	0.68	0.59	0.46	0.86
Fold 8	0.71	0.60	0.52	0.80	Fold 8	0.51	0.54	0.55	0.52
Fold 9	0.60	0.68	0.87	0.30	Fold 9	0.67	0.69	0.71	0.64
Fold 10	0.64	0.65	0.68	0.59	Fold 10	0.67	0.77	0.84	0.50
Cross-validated Mean (CI)	0.63 (0.60-0.67)	0.63 (0.60-0.65)	0.62 (0.53-0.71)	0.63 (0.50-0.75)	Cross-validated Mean (CI)	0.60 (0.52-0.68)	0.62 (0.56-0.68)	0.61 (0.48-0.74)	0.64 (0.44-0.83)

Whole T0 + T1 Set Prediction of Poor CGI at 12-Months

Pathophysiological Model Fold	AUROC	Accuracy	Sensitivity	Specificity	Functional Model Fold	AUROC	Accuracy	Sensitivity	Specificity
Fold 1	0.79	0.74	0.72	0.78	Fold 1	0.77	0.68	0.63	0.88
Fold 2	0.72	0.69	0.77	0.57	Fold 2	0.56	0.56	0.48	0.75
Fold 3	0.70	0.65	0.52	0.88	Fold 3	0.76	0.77	0.82	0.64
Fold 4	0.67	0.68	0.76	0.55	Fold 4	0.77	0.77	0.81	0.67
Fold 5	0.65	0.66	0.69	0.59	Fold 5	0.42	0.44	0.09	0.88
Fold 6	0.66	0.67	0.72	0.58	Fold 6	0.64	0.66	0.64	0.69
Fold 7	0.72	0.68	0.64	0.74	Fold 7	0.46	0.64	0.15	0.88
Fold 8	0.71	0.70	0.72	0.65	Fold 8	0.75	0.69	0.59	0.92
Fold 9	0.76	0.73	0.73	0.74	Fold 9	0.68	0.59	0.45	1.00
Fold 10	0.64	0.64	0.64	0.63	Fold 10	0.78	0.77	0.73	0.85
Cross-validated Mean (CI)	0.70 (0.67-0.74)	0.68 (0.66-0.71)	0.69 (0.64-0.75)	0.67 (0.59-0.75)	Cross-validated Mean (CI)	0.66 (0.56-0.76)	0.66 (0.58-0.73)	0.54 (0.36-0.72)	0.82 (0.73-0.90)