

Table 1S. ROCs of bedside-QST parameters and corresponding lab-QST clusters.

Bedside-QST Thermal parameters	Cluster allocation	AUC	Cut-off	Sensitivity	Specificity
08°C Metal <i>perception intensity</i>	CL 1 vs. CL 2/3	0.77	≤ 2.5 (0-10)	0.82	0.71
	CL 2 vs. CL 1/3	0.71	≥ 2.5 (0-10)	0.79	0.62
	CL 3 vs. CL 1/2	0.66	≥ 2.5 (0-10)	0.67	0.65
08°C Metal <i>pain intensity</i>	CL 1 vs. CL 2/3	0.52	≤ 1.5 (0-10)	0.94	0.12
	CL 2 vs. CL 1/3	0.58	≥ 1.5 (0-10)	0.23	0.94
	CL 3 vs. CL 1/2	0.54	≤ 0.5 (0-10)	0.95	0.13
22°C Metal <i>perception intensity</i>	CL 1 vs. CL 2/3	0.80	≤ 1.5 (0-10)	0.82	0.66
	CL 2 vs. CL 1/3	0.66	≥ 1.5 (0-10)	0.64	0.62
	CL 3 vs. CL 1/2	0.72	≥ 1.5 (0-10)	0.67	0.69
22°C Metal <i>pain intensity</i>	CL 1 vs. CL 2/3	0.50	≤ 2.0 (0-10)	0.97	0.03
	CL 2 vs. CL 1/3	0.52	≤ 2.0 (0-10)	1.00	0.04
	CL 3 vs. CL 1/2	0.51	≥ 2.0 (0-10)	0.05	0.98
37°C Metal <i>perception intensity</i>	CL 1 vs. CL 2/3	0.80	≤ 1.5 (0-10)	0.77	0.71
	CL 2 vs. CL 1/3	0.65	≥ 1.5 (0-10)	0.64	0.55
	CL 3 vs. CL 1/2	0.73	≥ 1.5 (0-10)	0.75	0.65
37°C Metal <i>pain intensity</i>	CL 1 vs. CL 2/3	0.56	≤ 1.0 (0-10)	0.94	0.18
	CL 2 vs. CL 1/3	0.60	≤ 2.5 (0-10)	0.29	0.93
	CL 3 vs. CL 1/2	0.51	≤ 2.5 (0-10)	0.92	0.13
45°C Metal <i>perception intensity</i>	CL 1 vs. CL 2/3	0.80	≤ 2.5 (0-10)	0.73	0.81
	CL 2 vs. CL 1/3	0.66	≥ 2.5 (0-10)	0.86	0.52
	CL 3 vs. CL 1/2	0.72	≥ 3.25 (0-10)	0.70	0.68
45°C Metal <i>pain intensity</i>	CL 1 vs. CL 2/3	0.61	≤ 0.5 (0-10)	0.85	0.38
	CL 2 vs. CL 1/3	0.62	≥ 0.5 (0-10)	0.43	0.77
	CL 3 vs. CL 1/2	0.54	≥ 0.5 (0-10)	0.35	0.77
Mechanical parameters	Cluster allocation	AUC	Cut-off	Sensitivity	Specificity
Q-Tip <i>perception intensity difference</i>	CL 1 vs. CL 2/3	0.78	≤ 7.5 (0-20)	0.74	0.77
	CL 2 vs. CL 1/3	0.66	≥ 8.5 (0-20)	0.71	0.64
	CL 3 vs. CL 1/2	0.70	≥ 7.5 (0-20)	0.76	0.58
0.4 mm CMS <i>perception intensity</i>	CL 1 vs. CL 2/3	0.78	≤ 0.5 (0-10)	0.61	0.94
	CL 2 vs. CL 1/3	0.70	≥ 0.5 (0-10)	1.00	0.39
	CL 3 vs. CL 1/2	0.67	≥ 0.5 (0-10)	0.91	0.44
64 mN von Frey hair <i>perception intensity</i>	CL 1 vs. CL 2/3	0.76	≤ 0.5 (0-10)	0.58	0.94
	CL 2 vs. CL 1/3	0.69	≥ 0.5 (0-10)	1.00	0.38
	CL 3 vs. CL 1/2	0.66	≥ 0.5 (0-10)	0.91	0.41
0.7 mm CMS <i>pain intensity</i>	CL 1 vs. CL 2/3	0.72	≤ 1.5 (0-10)	0.73	0.65
	CL 2 vs. CL 1/3	0.61	≥ 1.5 (0-10)	0.62	0.56
	CL 3 vs. CL 1/2	0.67	≥ 1.5 (0-10)	0.67	0.63
Q-Tip <i>pain intensity</i>	CL 1 vs. CL 2/3	0.54	≤ 0.5 (0-10)	0.84	0.26
	CL 2 vs. CL 1/3	0.56	≥ 1.5 (0-10)	0.31	0.85
	CL 3 vs. CL 1/2	0.51	≥ 0.5 (0-10)	0.23	0.80
Brush <i>pain intensity</i>	CL 1 vs. CL 2/3	0.53	≤ 0.5 (0-10)	0.88	0.20
	CL 2 vs. CL 1/3	0.52	≤ 0.5 (0-10)	0.85	0.17
	CL 3 vs. CL 1/2	0.54	≥ 0.5 (0-10)	0.23	0.87
Cotton woll <i>pain intensity</i>	CL 1 vs. CL 2/3	0.58	≤ 0.5 (0-10)	0.88	0.31
	CL 2 vs. CL 1/3	0.58	≥ 0.5 (0-10)	0.39	0.82
	CL 3 vs. CL 1/2	0.53	≥ 0.5 (0-10)	0.27	0.80
Allodynia sumscore <i>pain intensity</i>	CL 1 vs. CL 2/3	0.58	≤ 0.5 (0-10)	0.81	0.37
	CL 2 vs. CL 1/3	0.59	≥ 0.5 (0-10)	0.46	0.76
	CL 3 vs. CL 1/2	0.53	≥ 0.5 (0-10)	0.32	0.73
Post-Allodynia sensation <i>pain intensity</i>	CL 1 vs. CL 2/3	0.57	≤ 0.5 (0-10)	0.84	0.31
	CL 2 vs. CL 1/3	0.64	≥ 0.5 (0-10)	0.46	0.82
	CL 3 vs. CL 1/2	0.52	≤ 0.5 (0-10)	0.77	0.24
WUR single stimulus <i>pain intensity</i>	CL 1 vs. CL 2/3	0.81	≤ 1.5 (0-10)	0.76	0.74
	CL 2 vs. CL 1/3	0.67	≥ 1.5 (0-10)	0.75	0.54
	CL 3 vs. CL 1/2	0.72	≥ 1.5 (0-10)	0.74	0.61
WUR series stimuli <i>pain intensity</i>	CL 1 vs. CL 2/3	0.75	≤ 3.5 (0-10)	0.68	0.66
	CL 2 vs. CL 1/3	0.54	≥ 2.5 (0-10)	0.75	0.37
	CL 3 vs. CL 1/2	0.74	≥ 3.5 (0-10)	0.74	0.63
WUR ratio (series/single stimulus) <i>pain intensity</i>	CL 1 vs. CL 2/3	0.58	≥ 1.8 (0-10)	0.50	0.67
	CL 2 vs. CL 1/3	0.59	≤ 1.8 (0-10)	0.83	0.46
	CL 3 vs. CL 1/2	0.51	≥ 1.8 (0-10)	0.43	0.67
WUR quotient <i>pain intensity</i>	CL 1 vs. CL 2/3	0.63	≤ 1.4 (0-10)	0.57	0.59
	CL 2 vs. CL 1/3	0.50	≥ 1.4 (0-10)	0.58	0.50
	CL 3 vs. CL 1/2	0.64	≥ 1.4 (0-10)	0.59	0.53
Pressure algometer at 4 ml <i>pain intensity</i>	CL 1 vs. CL 2/3	0.51	≥ 1.5 (0-10)	0.52	0.49
	CL 2 vs. CL 1/3	0.51	≤ 1.5 (0-10)	0.54	0.53
	CL 3 vs. CL 1/2	0.50	≤ 0.5 (0-10)	0.46	0.52

Pressure algometer <i>pain pressure threshold</i>	CL 1 vs. CL 2/3	0.64	≤ 4.05	0.64	0.56
	CL 2 vs. CL 1/3	0.62	≥ 4.75	0.54	0.64
	CL 3 vs. CL 1/2	0.57	≥ 4.05	0.57	0.59
Vibration <i>vibration detection threshold</i>	CL 1 vs. CL 2/3	0.74	≤ 4.75 (0-8)	0.68	0.73
	CL 2 vs. CL 1/3	0.81	≥ 5.25 (0-8)	0.85	0.71
	CL 3 vs. CL 1/2	0.55	≥ 4.75 (0-8)	0.63	0.50

Displayed is the AUC (= area under the curve), the cut-off values (i.e. indicating the limit between the respective clusters), sensitivity and specificity.