

Appendix 1

Table W1 Agreement of Consultant and Specialist Registrar on resistance testing of the affected shoulder

	Agree positive	Agree negative	Cons +ve/Spec Reg -ve	Spec Reg +ve/Cons -ve	Total	McNemar
Tenderness	72	35	36	16	159	0.008
Painful arc 1	127	16	3	13	159	0.021
Painful arc 2	130	16	2	11	159	0.022
External rotation ($<45^\circ$)	32	106	12	8	158	0.50
Supraspinatus (Empty Can Test)	98	26	7	25	156	0.002
Infraspinatus (Resisted external rotation)	49	64	19	23	155	0.644
Subscapularis (Lift off test)	49	51	20	35	155	0.058
Long Head of Biceps (Yergason's Test)	0	143	0	14	157	0.001
Long Head of Biceps (Speeds test)	9	108	11	30	158	0.004
Impingement (Hawkins-Kennedy)	65	33	10	44	152	<0.001
Acromio-clavicular joint (Elevation)	10	86	9	29	134	0.002
Acromio-clavicular	4	100	5	30	139	<0.001

	Agree positive	Agree negative	Cons +ve/Spec Reg -ve	Spec Reg +ve/Cons -ve	Total	McNemar
joint (Adduction front)						
Acromio-clavicular	2	102	2	32	138	<0.001
joint (Adduction back)						
Drop arm test	1	112	0	5	118	0.063

**p<0.01, *p<0.05

†One cell in table is zero.

Table W2 Agreement of Consultant and Nurse on resistance testing of the affected shoulder

	Agree positive	Agree negative	Cons +ve/Nurse -ve	Nurse +ve/Cons -ve	Total	McNemar	Ka
Tenderness	73	31	35	20	159	0.058	0.2
Painful arc 1	124	18	6	11	159	0.332	0.5
Painful arc 2	127	17	5	10	159	0.302	0.6
External rotation ($<45^\circ$)	33	81	6	37	157	<0.001	0.6
Supraspinatus (Empty Can Test)	94	27	12	24	157	0.065	0.4
Infraspinatus (Resisted external rotation)	42	50	26	38	156	0.169	0.1
Subscapularis (Lift off test)	50	52	19	35	156	0.040	0.3
Long Head of Biceps (Yergason's Test)	0	132	0	26	158	<0.001	NA
Long Head of Biceps (Speeds test)	13	104	7	34	158	<0.001	0.2
Impingement (Hawkins- Kennedy)	57	32	18	45	152	<0.001	0.1

	Agree positive	Agree negative	Cons +ve/Nurse -ve	Nurse +ve/Cons -ve	Total	McNemar	Ka
Acromio-clavicular joint (Elevation)	16	66	3	50	135	<0.001	0.2
Acromio-clavicular joint (Adduction front)	6	82	3	50	141	<0.001	0.0
Acromio-clavicular joint (Adduction back)	3	72	1	62	138	<0.001	0.0
Drop arm test	2	115	0	2	119	0.500	0.6

**p<0.01, *p<0.05

†One cell in table is zero.

Table W3 Agreement of Specialist Registrar and Nurse on resistance testing of the affected shoulder

	Agree positive	Agree negative	Spec Reg +ve/Nurse -ve	Nurse +ve/Spec Reg -ve	Total	McNemar
Tenderness	70	48	18	23	159	0.533
Painful arc 1	129	13	11	6	159	0.332
Painful arc 2	132	13	9	5	159	0.424
External rotation ($<45^\circ$)	37	80	7	34	158	<0.001
Supraspinatus (Empty Can Test)	106	21	18	12	157	0.362
Infraspinatus (Resisted external rotation)	54	55	20	29	158	0.253
Subscapularis (Lift off test)	59	43	27	29	158	0.894
Long Head of Biceps (Yergason's Test)	7	125	7	18	157	0.043
Long Head of Biceps (Speeds test)	22	94	17	26	159	0.222
Impingement (Hawkins-Kennedy)	90	28	22	15	155	0.324
Acromio-clavicular joint (Elevation)	32	62	12	37	143	<0.001

	Agree positive	Agree negative	Spec Reg +ve/Nurse -ve	Nurse +ve/Spec Reg -ve	Total	McNemar
Acromio-clavicular joint (Adduction front)	26	76	12	37	151	<0.001
Acromio-clavicular joint (Adduction back)	31	67	7	36	141	<0.001
Drop arm test	3	113	5	0	121	0.63

**p<0.01 *p<0.05

Table W4 Agreement of Consultant and Specialist Registrar on diagnosis of the affected shoulder

	Agree positive	Agree negative	Cons +ve/Spec Reg -ve	Spec Reg +ve/Cons -ve	Total	McNemar	K
Rotator cuff diagnosis (undifferentiated)	102	21	7	23	153	0.005	0.4
Impingement	67	41	9	39	156	<0.001	0.3
Acromio- clavicular joint	13	102	11	30	156	0.004	0.3
Adhesive capsulitis/GHOA	27	117	3	9	156	0.146	0.1
Referred pain	9	135	10	2	156	0.039	0.3

**p<0.01, *p<0.05

Table W5 Agreement of Consultant and Nurse on diagnosis of the affected shoulder

Diagnosis	Agree	Agree	Cons	Nurse	Total	McNemar	Kapp
	positive	negative	+ve/Nurse -ve	+ve/Cons -ve			
Rotator cuff	100	20	9	24	153	0.014	0.41
diagnosis (undifferentiated)							
Impingement	56	34	20	46	156	0.002	0.16
Acromio- clavicular joint	17	78	7	54	156	<0.001	0.16
Adhesive capsulitis/GHOA	18	92	12	34	156	0.002	0.25
Referred pain	10	126	9	11	156	0.824	0.42

**p<0.01, *p<0.05

Table W6 Agreement of Specialist Register and Nurse on diagnosis of the affected shoulder

Diagnosis	Agree	Agree	Spec Reg	Nurse +ve/Spec	Total	McNemar	Ka
	positive	negative	+ve/Nurse	-ve Reg -ve			
Rotator cuff	115	14	15	14	158	1.00	0.3
diagnosis (undifferentiated)							
Impingement	87	32	22	18	159	0.636	0.4
Acromio- clavicular joint	31	74	12	42	159	<0.001	0.2
Adhesive capsulitis/GHOA	22	91	15	31	159	0.026	0.2
Referred pain	9	134	2	14	159	0.004	0.4

**p<0.01, *p<0.05