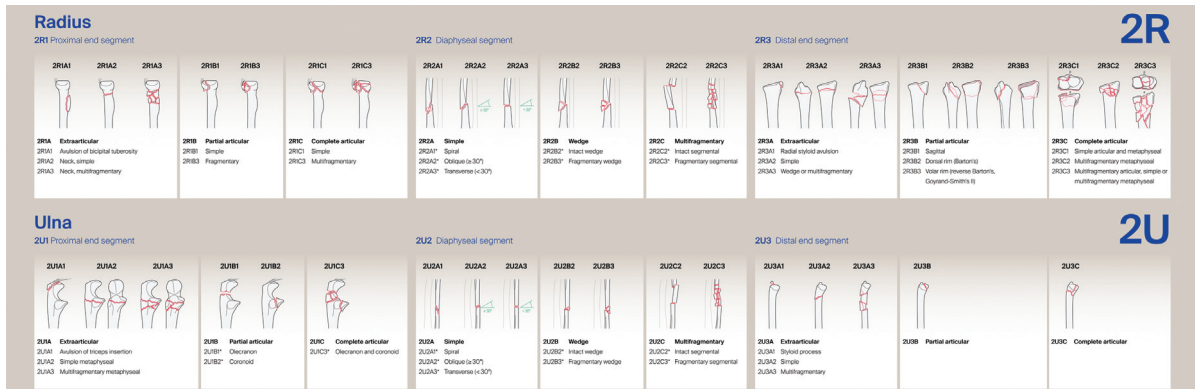


Appendix 1 AO/OTA Fracture and Dislocation Classification – Distal Radial Fracture



Appendix 2 Block of Questions for each Radiograph of the Qualtrics Questionnaire

DO YOU CLASSIFY THE ABOVE FRACTURE BY FERNANDEZ AS:

- TYPE 1
- TYPE 2
- TYPE 3
- TYPE 4
- TYPE 5

YOUR PREFERENCE FOR TREATMENT OF THIS FRACTURE IS:

- REDUCTION AND CONSERVATIVE TREATMENT (GYPSUM)
- REDUCTION AND PERCUTANEOUS PINING
- SURGICAL REDUCTION AND FIXATION WITH PALMAR “T” PLATE ASSOCIATED OR NOT WITH KIRSCHNER THREADS
- SURGICAL REDUCTION AND FIXATION WITH LOCKED VOLAR PLATE
- SURGICAL REDUCTION AND FIXATION WITH LOCKED DORSAL PLATE
- OTHERS

DO YOU CLASSIFY THE ABOVE FRACTURE BY AO/OTA 2018 AS:

	Classify according to distal radius fracture									Classify according to distal ulna fracture					
	2R3A1	2R3A2	2R3A3	2R3B1	2R3B2	2R3B3	2R3C1	2R3C2	2R3C3	2U3A1	2U3A2	2U3A3	2U3B	2U3C	Not applicable
Classification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

FOLLOWING THE UNIVERSAL LIST OF COMPATIBLE MODIFIERS FOR DISTAL RADIO FRACTURE, HOW DO YOU I WOULD CLASSIFY THE FRACTURE ABOVE USING THE 2018 AO/OTA CLASSIFICATION MODIFIERS (You CAN SELECT MORE THAN ONE OPTION):

- NOT APPLICABLE
- 1 - NOT DIVERTED
- 2 - DIVERTED
- 3a - ARTICULAR IMPACT
- 3b - METAPHYSAL IMPACT
- 4 - NOT IMPACTED
- 5th - PREVIOUS DEVIATION (VOLAR)
- 5b - POSTERIOR DEVIATION (DORSAL)
- 5c - ULNAR DEVIATION
- 5d - RADIAL DEVIATION
- 5e - MULTIDIRECTIONAL DEVIATION
- 6a - SUBLUXATION - VOLAR LIGAMENT INSTABILITY
- 6b - SUBLUXATION - DORSAL LIGAMENT INSTABILITY
- 6c - SUBLUXATION - ULNAR LIGAMENT INSTABILITY
- 6d - SUBLUXATION - RADIAL LIGAMENT INSTABILITY
- 6e - SUBLUXATION - MULTIDIRECTIONAL LIGAMENT INSTABILITY
- 7 - DIAPHYSEAL EXTENSION
- 8 - LOW BONE QUALITY

WOULD YOU CHANGE THE TREATMENT OPTION AFTER CLASSIFYING THIS FRACTURE BY AO/OTA 2018:

- YES, I WOULD CHANGE MY TREATMENT
- NO, I WOULD KEEP THE PREVIOUS TREATMENT

Appendix 3 Inter- and intra-observer agreement table

Mean interobserver agreement						
	FERNANDEZ CLASSIFICATION (%)	ELECTION OF TREATMENT (%)	CLASSIFICATION AO/OTA 2018 - RADIUM (%)	CLASSIFICATION AO/OTA 2018 - ULNA (%)	CLASSIFICATION AO/OTA 2018 - MODIFIERS (%)	CHANGE OF TREATMENT (%)
1	90	60	50	100	60	100
2	90	60	70	100	50	90
3	80	80	70	90	40	100
4	50	60	40	100	70	90
5	100	50	80	100	60	80
6	70	40	50	90	50	100
7	60	50	40	80	60	100
8	70	50	50	100	50	100
9	70	70	50	90	50	90
10	80	70	70	90	40	100
11	100	80	60	50	40	90
12	100	80	70	90	40	100
13	60	70	60	50	50	100
14	90	60	80	90	40	100
15	80	50	90	100	50	100
16	50	40	40	60	70	100
17	90	60	40	40	90	100
18	40	70	50	90	40	100
19	60	80	30	60	50	80
20	50	90	40	80	50	100
21	50	80	40	60	60	100
22	80	90	30	100	70	100
23	60	80	40	90	60	90
24	100	50	70	100	40	90
25	90	60	50	100	70	90
26	100	50	60	100	70	100
27	90	70	50	90	70	80
28	40	40	100	50	60	100
29	50	40	60	100	50	90
30	60	40	80	80	50	100
31	70	50	40	90	40	100
32	60	40	40	90	40	100
33	100	60	80	90	50	90
34	100	40	60	80	40	100
35	70	50	60	100	50	80
36	100	40	60	70	60	100
37	60	50	40	80	50	100
38	90	100	40	80	60	100
39	70	70	70	50	50	100
40	60	60	80	80	60	100
41	70	60	60	80	50	100
42	100	70	100	70	60	90
43	70	80	70	90	50	90
44	90	70	90	80	40	90
45	90	50	70	40	50	90
46	90	70	70	70	50	100
47	90	60	50	50	50	90
48	90	80	50	80	50	100
49	80	90	50	80	40	100
50	70	50	70	90	40	90
<b>Mean interobserver agreement (%)</b>	<b>76,4</b>	<b>62</b>	<b>59,2</b>	<b>81,200</b>	<b>52,6</b>	<b>95,4</b>

Mean intraobserver agreement						
EVALUATORS	FERNANDEZ CLASSIFICATION (%)	TREATMENT (%)	CLASSIFICATION AO/OTA 2018 - RADIUM (%)	CLASSIFICATION AO/OTA 2018 - ULNA (%)	CLASSIFICATION AO/OTA 2018 - MODIFIERS (%)	CHANGE OF TREATMENT (%)
1	77,78	44,44	44,44	100	33,33	100
2	100	55,56	88,89	88,89	44,44	100
3	77,78	66,67	33,33	88,89	66,67	88,89
4	55,56	44,44	44,44	100	44,44	100
5	88,89	33,33	55,56	100	33,33	100
6	77,78	33,33	55,56	66,67	33,33	100
7	44,44	33,33	33,33	100	33,33	88,89
8	88,89	55,56	44,44	88,89	66,67	100
9	77,78	77,78	55,56	100	33,33	8,89
10	77,78	77,78	44,44	88,89	33,33	100
11	77,78	66,67	55,56	55,56	55,56	100
12	100	66,67	77,78	88,89	44,44	100
13	77,78	66,67	44,44	66,67	33,33	88,89
14	88,89	55,56	55,56	88,89	44,44	88,89
15	100	55,56	88,89	66,67	77,78	100
16	55,56	44,44	33,33	55,56	33,33	88,89
17	88,89	55,56	55,56	66,67	33,33	100
18	33,33	44,44	55,56	88,89	44,44	100
19	55,55	77,78	33,33	44,44	33,33	88,89
20	66,67	55,56	44,44	88,89	44,44	100
21	55,56	88,89	44,44	88,89	66,67	100
22	77,78	77,78	33,33	100	44,44	88,89
23	66,67	55,56	44,44	88,89	55,56	100
24	77,78	55,56	66,67	100	55,56	100
25	88,89	66,67	55,56	77,76	55,56	100
26	100	55,56	55,56	88,89	55,56	100
27	100	66,67	55,56	88,89	55,56	100
28	44,44	55,56	66,67	44,44	55,56	100
29	55,56	55,56	66,67	77,78	44,44	88,89
30	100	55,56	77,78	88,89	44,44	88,89
31	55,56	66,67	33,33	55,56	33,33	100
32	100	66,67	77,76	88,89	66,67	88,89
33	100	44,44	77,76	55,56	66,67	100
34	100	44,44	66,67	66,67	88,89	100
35	66,67	66,67	55,56	88,89	55,56	100
36	100	66,67	66,67	77,78	44,44	88,89
37	66,67	55,56	33,33	77,78	44,44	100
38	77,78	77,78	44,44	77,78	44,44	88,89
39	55,56	66,67	55,56	55,56	66,67	100
40	66,67	66,67	66,67	77,78	77,78	100
41	55,56	55,56	100	88,89	44,44	88,89
42	100	77,78	66,67	66,67	55,56	100
43	55,56	77,78	66,67	88,89	55,56	88,89
44	88,89	77,78	77,76	100	55,56	100
45	77,78	66,67	55,56	88,89	55,56	88,89
46	100	55,56	77,76	44,44	66,67	77,76
47	77,78	88,89	55,56	66,67	33,33	100
48	88,89	88,89	33,33	88,89	33,33	100
49	88,89	55,56	33,33	88,89	33,33	100
50	66,67	77,76	77,78	100	55,56	88,89
<b>Mean intraobserver agreement (%)</b>	<b>77,3348</b>	<b>61,7794</b>	<b>56,6658</b>	<b>80,4454</b>	<b>49,5552</b>	<b>94,1778</b>