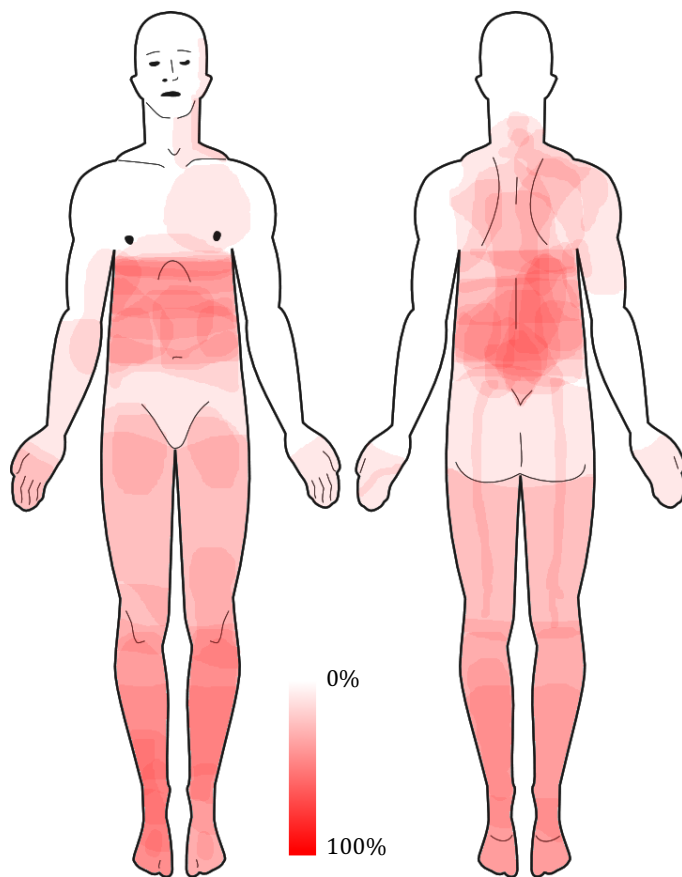


e-Figure 1: **Distribution of painful areas in prospective subjects.**


Graded colour represents percentage of subjects reporting pain in highlighted area.

e-Table 1. **Prospective Cohort Characteristics**

N	26
Female, n (%)	22 (84.6)
Current Age, mean (sd)	52.1 (15.2)
Onset Age, mean (sd)	41.7 (17.3)
Disease duration, mean (sd)	10.9 (7.8)
n Attacks, median (range)	3.5 (1-17)
n TM Attacks, median (range)	3 (1-10)
Current EDMUS, mean, median (range)	3 (1-8)
PSI, mean (sd)	17.3 (12.2)
Isolated Cervical lesions, n (%)	3 (11.5)
Isolated Thoracic lesions, n (%)	6 (23.1)
Cervico-thoracic lesions, n (%)	13 (50)
No visible lesion, n (%)	4 (15.4)

e-Figure 2: Prospective T2 lesion and PSI

PSI	C1	C2	C3	C4	C5	C6	C7	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
6	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0
8	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
15	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
18	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0
22	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
24	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
26	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0
27	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
34	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PSI, pain severity index; C, cervical; T, thoracic; , lesions mid point; **1**, lesioned level; 0, lesion free level.

e-Table 2: **Prospective Cohort: Pain-onset attack axial lesion location**

Total n	22/26 ^a	
<i>Axial Lesion Location</i>	<i>n</i> <i>(cranio-caudal locations)</i>	<i>PSI (mean, sd)</i>
Whole diameter	7 (all CT)	15.7 (11.3) ^{b,c}
Central	14 (2C, 2T, 10 CT)	18.1 (12.3) ^{b,c}
Peripheral	1 (C)	0 (0) ^b

^a Four patients excluded – no T2 weighted axial images available at pain onset.

^b Anova, comparing all three axial location sub-groups, p=0.39.

^c Student's Independent T-test, comparing whole-diameter and central sub-groups, p=0.68.

C, isolated cervical lesion/s; T, isolated thoracic lesion/s; CT, cervicothoracic lesion/s.