APPENDIX SI. Complete list of items that experts considered were associated with poor prognosis in complex regional pain syndrome 1 (CRPS 1) (first round), the corresponding mean attribute weights and interquartile range (IQR) (second round). Items are listed based on descending median followed by ascending IQR range

Item	Median	IQR
Upper limb <sup>a</sup>	8	7–8
Hand <sup>a</sup>	8	7–8
It is impossible to resume previous level of daily	0	<b>7</b> .0
activities and work <sup>a</sup> Fracture <sup>a</sup>	8	7–8 6–8
Prolonged duration of symptoms <sup>a</sup>	8	0–8 7–9
Symptoms between 3 and 6 months <sup>a</sup>	8	7–9
Pain intensity > 5 on VAS <sup>a</sup>	8	7–9
Pain at rest, worsening when moving <sup>a</sup>	8	7–9
Any movement is very painful <sup>a</sup>	8	6–8
Pain score is high <sup>a</sup>	8	6–8
Spread of symptoms to uninjured mirror-image or remote sites <sup>a</sup>	0	6–8
Past the acute stage <sup>a</sup>	8	0–8 7–9
Hypoaesthesia <sup>a</sup>	8	7–9
Lack social network <sup>a</sup>	8	5–8
Pain intensity > 8 on VAS <sup>a</sup>	8	6–9
Severe, excruciating pain <sup>a</sup>	8	5–8
Allodynia	8	5–8
Hyperalgesia <sup>a</sup> Joint contractures <sup>a</sup>	8	6–9 5–8
Spread of pain areab <sup>a</sup>	8	5–8 6–9
Pathological family support system	8	5–9
Symptoms longer than 12 months	8	5–9
Loss of function	8	5–9
Third metacarpal bone <sup>a</sup>	7	7–8
Unsuccessful response to treatment <sup>a,b</sup>	7	5–7
Lack of muscle strength <sup>a</sup>	7 7	6–8 6–8
Loss of skin integrity <sup>a</sup> Blister <sup>a</sup>	7	6–8
Warm skin <sup>a</sup>	7	6–8
Spontaneous pain <sup>a</sup>	7	6–8
Weakness of the limb <sup>a</sup>	7	5-7
Glossy skin <sup>a</sup>	7	6–8
Faster nail growth <sup>a</sup>	7	6–8
Livid skin discoloration <sup>a</sup>	7 7	6–8 5–8
CRPS related conflict with employer <sup>a</sup> Someone/something caused the problem <sup>a</sup>	7	5–8
Dominant handa	7	5–8
Spontaneous onset of CRPS <sup>a</sup>	7	5–8
Symptoms between 6 and 12 months <sup>a</sup>	7	5-8
Pain at rest <sup>a</sup>	7	5–8
Pain map altered (in other extremity), spreading pain <sup>a</sup>	7	5–8
Hypoalgesia <sup>a</sup> Hyperaesthesia <sup>a</sup>	7 7	6–9 5–8
Reduced strength <sup>a</sup>	7	5–8
Non-anatomical spread of the self-reported symptoms	,	5 0
or behavioural display <sup>a,b</sup>	7	5-8
Vasomotor changes <sup>a</sup>	7	5-8
Trophic changes <sup>a</sup>	7	5–8
Wrist <sup>a</sup>	7 7	5–8 5–8
Pain gets progressively worse <sup>a</sup> Sudomotor changes <sup>a</sup>	7	5–8 5–8
Ulceration <sup>a</sup>	7	5–8
Skin lesion (ulcers, or ischaemic lesions) <sup>a</sup>	7	5–8
Poor social support	7	4-8
Disproportionate postoperative pain	7	4–8
Restricted range of motion	7	4–8
Local vasomotor instability	7 7	4–8 4–8
Hypertrichosis Motor changes	7	4–8 4–8
Holds the affected limb tight	7	3–8
Duration United States and Uni	6	5–7
Female	6	5–7
Male	6	5–7
Employed Vinceian bhia	6	4–6
Kinesiophobia	6	4–6

Post-traumatic stress disorder	6	5–7
>1 affected extremities	6	5–7
Dystonia	6	6–8
Decreasing range of motion due to soft tissue fibrosis	6	5–7
Loss of limb flexion and incomplete extension	6	5–7
Poor initial response to standard analgesics	6	5–7
Fast recurrence of symptoms following initial response		
to treatment	6	5–7
Postoperative persisting oedema not related with cast	6	5–7
Very sensitive (cannot bear blanket)	6	5–7
Changes in skin and nail growth	6	6–8
Bluish skin <sup>b</sup>	6	5–7 5–7
Difficult coping Delayed diagnosis	6	5–7
Reddish skin <sup>b</sup>	6	5–7 5–7
Social problems with insurance	6	4–7
Angry at doctor and others	6	3–6
Compensable injury	6	4–7
Compensation claim <sup>b</sup>	6	4–7
Movement disorder	6	4–7
Autonomy	6	4–7
Age < 30 years	6	4–7
Age 30–50 years	6	4–7
Age 50–70 years	6	5–8
Age > 70 years	6	4–7
Non-dominant hand	6	4–7
Unemployed	6	5–8
Co-morbid psychiatric disorders (schizophrenia, major		
anxiety disorders, bipolar disorders)	6	4–7
Non-compliance	6	4–7
Sprain	6	4–7
Unable to return to work and resume previous leisure	6	4–7
activities		
Loss of mobility	6	5-8
Myoclonus	6	5-8
Decreased range of motion, stiffness	6	5-8
Weakness	6	5-8
Whole extremity is involved	6	4–7
Not responding well to any kind of analgesics	6	4–7
Medication brings no relief	6	5-8
No response to sympathetic blocks	6	4–7
Motor function and hyperalgesia to pinprick have		
worsened and spread over time	6	5–8
Swelling	6	4–7
Bone loss	6	4–7
Pain	6	3–7
Diagnosis delayed for several years	6	4–7
Signs and symptoms in another extremity	6	5–8
Persisting inflammation	6	5–8
Only small changes in hair and nail growth	6	4–7
Altered hair or nail growth	6	5–8
Problems with medication	6	4–8
Enmeshed in a compensation claim	6	3–7
Poor family/social support	6	4–8
Catastrophizing	6	4–8
No objective	6	4–8
Structural deficits in the affected extremities such as	_	
contractions	6	4–8
Severe manifestation of clinical symptoms	6	4–8
Secondary changes in motor and trophic changes	6	3–7
Persistent autonomic manifestations threatening the	,	2.7
extremity's function	6	3–7
Brush-evoked allodynia	6	3–7 4–8
Changes in hair growth <sup>b</sup>	6	
Atrophy Trophic changes in pail, hair and skin occur early	6	3–7
Trophic changes in nail, hair and skin occur early <sup>b</sup>	6	4–8
Pale skin <sup>b</sup>	6	3–7
Illicit drugs consumption Cold skin	6	4–8 3–7
	U	3–7
The extremity seems to dominate the functioning of	6	2 0
the patient	6	3–8 3–8
Coping skills decline Disappointed by the unsuccessful treatment and	U	3-0
suspected for malingering	6	3–8
Suspected for manifecting	U	5-0

3-8

suspected for malingering

	,	
Patient or someone in her family has asthma, migraine,		
menstrual disorders, or chronic inflammatory disease	6	2-7
Signs and symptoms are therapy resistant <sup>b</sup>	6	3-8
Depression, anxiety	5	5–6
Age	5	4–6
Perpetrators (hidden infection, coagulopathy, immune-		
inflammatory disease)	5	4–6
Small restrictions in active and passive movement	5	4–6
Patient thinks that medications are useless	5	4–6
Insufficient fracture immobilization	5	5–7
Localization	5 5 5 5	3–6
Affected limb does not belong to her body	5	3–6
The extremity is used as little as possible	5	3–6
Other pain conditions (e.g. back pain)	5	3–6
Fatigue, sleep disturbances, headaches, gastrointestinal	_	4 -
complaints, bladder problems	5	4–7
Loss of hope of favourable outcome	5	4–7
(History of) depression	5 5	3–6
Depressed	5	3–6 4–7
Extreme anxiety Limited comprehension with regard to his/her	3	4-/
	_	2 6
complains Poor coping strategies and tendency to catastrophizing	5 5	3–6 4–7
Little confidence in proposed treatment	5	3-6
No acceptance of the condition	5 5	3-6
Difficulties with her activities of daily living	5	4–7
Physical therapy is hardly possible because of	5	. ,
increasing pain	5	3–6
Several unsuccessful previous therapies <sup>b</sup>	5	3–6
Several therapies	5	3–6
Kinesiotherapy too aggressive	5	3–6
Skin atrophy	5	3–6
Limited self-management	5	4–7
More impairments, more the daily activity is limited	5	4-7
Contextual factors	5	2-6
Ongoing legal issue	5	3-7
Disaffected worker	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3-7
Litigation	5	2-6
Initiating event	5	3-7
Mood changes	5	3-7
Psychosis	5	3–7
Neglect	5	3–7
Dominant hand	5	3–7
Unable to bear own weight on the lower limb	5	4–8
Muscle atrophy	5	3–7
Tremor	5	3–7
Symptoms spread to all extremities	5	2–6 3–7
Early spread of symptoms Infection	5	3-7 4-8
Amitriptyline, opioids, cannabinoids have failed	5	3-7
Analgesics and exercise unsuccessful	5	4–8
Pain recurs soon after treatment	5	3–7
Failure to prior treatment	5 5	4–8
Complications with medication (side-effects)	5	3–7
Area of allodynia and pinprick hyperalgesia is	-	
increasing in a few weeks	5	4-7
Allodynia impedes physical therapy/occupational	5	3-7
therapy		
Extreme allodynia	5	2-6
Oedema	5	3-7
No (more) apparent swelling	5	3-7
Discoloration	5 5 5 5	3-7
Higher temperature	5	2-6
Cold phenotype		3-7
Trophic nail changes	5	4–8
Cold extremity from onset (>1°C colder than healthy		
side)	5	3–7
Problems with his partner who also is very supportive		
but also desperate	5	2–7
Passive coping	5	2-7
Accident on the way home from work	5	2–7
Immobilization	5 5 5 5	2–7
Severe tactile allodynia	5	3–8
Early "cold" CRPS	5	2–7

Hand	4	3-6
Co-morbidities	4	3-6
Layoff, dismissal	4	2-5
Involved attorney	4	2-5
Initial boost of optimism, followed by sub-depression	4	3–6
Patient expresses negative expectations regarding the		
course of the disease <sup>b</sup>	4	2–5
Work-related injury	4	3–6
Previous treatment with no effect (including ketamine,		
multidisciplinary approach)	4	2–5
Discoloration	4	3–6
Hyperhidrosis	4	2–5
Dry skin	4	3–6 3–6
Skin temperature	4	3-6 2-6
Problems with family role  Poor family support (widow living clane)	4	1-5
Poor family support (widow, living alone) Extensive care from her significant other	4	2–6
Patient has been made redundant and takes employer	4	2-0
to court	4	2–6
Compensation claims, accident insurance compensation		2-6
Spread of symptoms	4	2-6
Poor coping	4	3–7
Cut	4	2–6
Trauma	4	2-6
Untreated underlying neurological pathologies	4	2-6
Poor response to steroid therapy	4	2-6
Skin changes	4	2-6
Pale skin	4	3-6
Temperature asymmetry	4	3-7
Primary psychogenic disorders (conversion-		
somatization, factitious disorders, malingering)	4	2-7
Symptoms spreading to another extremity	4	2-7
Narcotics dependence	3	2-4
Cast not tolerated	3	2-4
Work situation	3	2-5
Predisposing factors	3	2-5
Unemployment	3	2–5
Financial difficulties	3	1-4
Several invasive procedures	3	2–5
Wound infection	3	2–5
Rapid progression of symptoms	3	2–5
Hypohidrosis Differential diagnosis never considers CRPS and	3	2–5
therefore time and resources are wasted <sup>b</sup>	3	2-5
Contusion	3	2-5
Psychological problems	3	1-5
Sports injury	3	2–6
Initiation after minor injury	3	2–6
Lower extremity	3	1-5
Foot	3	1-5
Considerable functional deficits	3	2-6
Progressing immobility	3	2-6
Range of motion is moderately to severely impaired	3	2-6
Substance abuse	3	1-6
Overprotective family support	3	2-7
Lack of social support	2	1-3
Previously untreated pain	2	1-3
Evidence of malingering	2	1–3
Lives rurally	2	1–4
Trauma in history	2	1–4
Patient is sceptical regarding treatment modalities	2	2–5
Patient is not familiar with using a computer or does	•	
not have access to the internet	2	1–4
Presence of vascular signs <sup>b</sup>	2	2–5
Symptoms spreading to unaffected extremities	2	1–5
<sup>a</sup> Set of prognostic factors fulfilling our selection crite weight of >7 and IQR <3).	eria (mean	attribute

weight of >7 and IQR <3).

bThese items were edited slightly for conceptual reasons.