

Participant ID:		Pin #	
<b>Discovery Site:</b>		Clinical Center	
CRF Date:	1 1	Visit #:	

	<u>QST pre-</u>	<u>procedure</u>	diagnostic o	<u>questions</u>
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1d.	Please confirm the Participants <i>dominant</i> thumb:	$\square_1$ Right	□ <sub>2</sub> Left
1.	Artificial fingernails status and history for <b>MAST</b> procedures  Please see the QST MOP section regarding artificial fingernails and review with the Participant <i>prior to completing MAST procedures</i> .		
	a. Participant has artificial fingernails	□ <sub>1</sub> Yes	$\square_0$ No $\square_{99}$ NA
	<ol> <li>If Yes, Participant agrees to continue wearing artificial fingernails for the full duration of the MAPPII SPS Study</li> </ol>	□₁ Yes	□ <sub>0</sub> No □ <sub>99</sub> NA
	b. Has Participant started wearing artificial fingernails since previous clinic visit QST procedures?	□ <sub>1</sub> Yes	$\square_0$ No $\square_{99}$ NA
	If Yes, skip MAST procedures. Data analysis will not be possible.		
	c. Has Participant <b>discontinued</b> wearing artificial fingernails since previous clinic visit QST procedures?	□ <sub>1</sub> Yes	$\square_0$ No $\square_{99}$ NA
	If Yes, skip MAST procedures. Data analysis will not be possible.		
2.	Peripheral neuropathy for MAST & Conditioned Pain Modulation procedures		
	Please see the QST MOP section regarding peripheral neuropathy and review with the Participant <i>prior to completing MAST and CPM procedures</i> .		
	<ul> <li>Participant has peripheral neuropathy in hands which would interfere with MAST results.</li> </ul>	☐ <sub>1</sub> Yes	$\square_0$ No
	If Yes, <u>skip MAST procedures</u> .		
	<ul> <li>Participant has peripheral neuropathy in feet which would interfere with Conditioned Pain Modulation results.</li> </ul>	□ <sub>1</sub> Yes	$\square_0$ No
	If Yes, skip CPM procedures.		
	c. Participant reports sensory abnormalities in either the hands or the	□ <sub>1</sub> Yes	$\square_0$ No
	feet but does not have diagnosed upper or lower extremity neuropathy, respectively.		
	<ol> <li>If Yes, please describe these abnormalities in the space below, but conduct all QST procedures as normal.</li> </ol>		
3.	Open wounds on feet for <b>Conditioned Pain Modulation</b> procedures		
٥.	Please see the QST MOP section regarding open wounds on feet and review		
	with the Participant prior to completing CPM procedures.	_	_
	<ul> <li>a. Participant has open wound(s) on non-dominant foot requiring dominant foot to be used for CPM testing.</li> </ul>	□ <sub>1</sub> Yes	□ <sub>0</sub> No
	<ul> <li>b. Participant has open wound(s) on <b>both feet</b> requiring CPM testing to be skipped at this visit.</li> </ul>	□ <sub>1</sub> Yes	$\square_0$ No



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#### Section I: Generalized Mechanical Sensitivity (MAST Test)

4.	Was MAST familiarization protocol conducted (testing non-dominant thumb)? If <b>No</b> , please confirm why the non-dominant thumb was not tested.	□ <sub>1</sub> Yes	□ <sub>0</sub> No	
	If Yes, please leave the section below blank and proceed to Q.#5			
	<ul> <li>Non-dominant thumb is malformed, significantly injured, or missing requiring dominant thumb to be used for MAST familiarization.</li> </ul>	□ <sub>1</sub> Yes	$\square_0$ No	
	<ul> <li>Participant has peripheral neuropathy in non-dominant thumb requiring dominant thumb to be used for MAST familiarization.</li> </ul>	☐ <sub>1</sub> Yes	$\square_0$ No	
	c. Other (please specify)	$\square_1$ Yes	$\square_0$ No	
5.	Were the MAST test procedures completed (testing dominant thumb)?	□₁ Yes	□ <sub>0</sub> No	
	If No, please confirm why the MAST procedures were not completed.			
	If Yes, please leave the section below blank and proceed to Q.#6.			
	a. Participant declined MAST procedures	$\square_1$ Yes	$\square_0$ No	
	b. Participant's thumb too large	□₁ Yes	$\square_0$ No	
	c. Participant's hand too small	□₁ Yes	$\square_0$ No	
	d. Equipment/Technical Malfunction	□₁ Yes	$\square_0$ No	
	e. Other (please specify)	□₁ Yes	$\square_0$ No	
6.	Was the Participant's dominant thumb tested?	□₁ Yes	$\square_0$ No	
	If <b>No</b> , please confirm why the dominant thumb was not tested.	_		
	<ul> <li>Dominant thumb is malformed, significantly injured, or missing requiring non-dominant thumb to be used for MAST procedure.</li> </ul>	□ <sub>1</sub> Yes	$\square_0$ No	
	<ul> <li>Participant has peripheral neuropathy in dominant thumb requiring non-dominant thumb to be used for MAST procedure.</li> </ul>	☐ <sub>1</sub> Yes	$\square_0$ No	
	c. Other (please specify)	$\square_1$ Yes	$\square_0$ No	
7.	Was MAST test procedure data successfully recorded to the MAST equipment and uploaded to the central MAST database?	□ <sub>1</sub> Yes	□ <sub>0</sub> No	□ <sub>99</sub> NA
	Please record <b>99/NA</b> if MAST procedures were not completed.			
	Please complete <b>Q.#7a.</b> below if <b>Q.#7</b> is <b>No</b> and MAST data was not successfully recorded and/or uploaded.			
	a. Reason MAST data not recorded and/or uploaded:			



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#### Section II: Segmental/Regional Mechanical Sensitivity (Algometer Test)

8.	Was the <b>Algom</b>	eter Familiarization Protocol conducted?		Yes	$\square_0$	No
	If <b>Algomete</b> confirm reas	r Familiarization Protocol was <i>NOT</i> completed, please cons below				
	a. Participa	nt declined procedure		Yes	$\Box_{0}$	No
	b. Procedur	e too painful/uncomfortable		Yes	$\Box_{0}$	No
	c. Other (ple	ease specify)		Yes	$\Box_{0}$	No
9.	procedures com			Yes	$\Box_0$	No
		ease confirm which procedures were completed, which e not completed, and reasons for procedures not completed.				
	a. <b>Domin</b>	ant forearm (control) procedures completed?		Yes	$\Box_0$	No
	i.	2 kg			(0 – 100)	$oldsymbol{\square}_{99}$ Not done
	ii.	2 kg			(0 – 100)	□ <sub>99</sub> Not done
	iii.	<b>4</b> kg			(0 – 100)	□ <sub>99</sub> Not done
	iv.	2 kg			(0 – 100)	□ <sub>99</sub> Not done
	V.	<b>4</b> kg			(0 – 100)	□ <sub>99</sub> Not done
	vi.	<b>4</b> kg			(0 – 100)	□ <sub>99</sub> Not done
	vii.	Calculated mean of 3 ratings of 2 kg to be generated by Biostatistics.				
	viii.	Calculated mean of 3 ratings of 4 kg to be generated by Biostatistics.				
	If Dom	inant forearm procedures were NOT completed, please confirm rea	sons	belov	v	
	ix.	Procedure stopped early		Yes	$\square_0$	No
	х.	Procedure too painful/uncomfortable		Yes	$\Box_0$	No
	xi.	Other (please specify)		Yes	$\square_0$	No



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b. <b>Supra</b>	apubic procedures completed?	□₁ Yes	$\square_0$ No
i.	2kg	(0 – 10	00) $\square_{99}$ Not done
ii.	2kg	(0 - 10	00) $\square_{99}$ Not done
iii.	<b>4</b> kg	(0 - 10	00) 🔲 <sub>99</sub> Not done
iv.	2kg	(0 – 10	00) $\square_{99}$ Not done
V.	<b>4</b> kg	(0 - 10	00) 🔲 <sub>99</sub> Not done
vi.	<b>4</b> kg	(0 – 10	$oxdot{00} oxdot{\Box}_{99}$ Not done
vii.	Calculated mean of 3 ratings of 2 kg to be generated by Biostatistics	),	
viii.	Calculated mean of 3 ratings of 4 kg to be generated by Biostatistics	; <u>.</u>	
lf <b>– Supra</b>	pubic procedures were NOT completed, please confirm reasons bel	ow	
ix.	Bladder pain/discomfort too severe for procedures	□ <sub>1</sub> Yes	$\square_0$ No
x.	Procedure stopped early	□₁ Yes	$\square_0$ No
xi.	Procedure too painful/uncomfortable	$\square_1$ Yes	$\square_0$ No
xii.	Other (please specify)	$\square_1$ Yes	$\square_0$ No
c. <b>Press</b> compl	ture Pain Threshold – Trapezius threshold familiarization eted?	□₁ Yes	□ <sub>0</sub> No
i.	Threshold 1 - Left	(kg)	☐ <sub>99</sub> Not done
ii.	Threshold 2 - Right	(kg)	$oldsymbol{\square}_{99}$ Not done
iii.	Threshold 3 - Left	(kg)	$\square_{99}$ Not done
iv.	Threshold 4 - Right	(kg)	☐ <sub>99</sub> Not done
v.	Calculated mean of 4 ratings to be generated by Biostatistics.		
	re Pain Threshold – Trapezius (control) procedures were <i>NOT</i> confirm reasons below	ipleted,	
vi.	Procedure stopped early	□ <sub>1</sub> Yes	$\square_0$ No
vii.	Procedure too painful/uncomfortable	□ <sub>1</sub> Yes	□ <sub>0</sub> No
viii.	Other (please specify)	□ <sub>1</sub> Yes	□ <sub>0</sub> No



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Section III: Temporal	Summation (PinPrick Test)				
10. Was the <b>Temp</b>	oral Summation Familiarization Protocol conducted?		Yes	$\square_0$	No
	Il Summation Familiarization Protocol was <i>NOT</i> completed, firm reasons below				
i.	Participant declined procedure		Yes	$\Box_0$	No
ii.	Procedure too painful/uncomfortable		Yes	$\square_0$	No
iii.	Other (please specify)		Yes	$\square_0$	No
11. Were ALL Tem	nporal Summation procedures completed?		Yes	$\Box_0$	No
	please confirm which procedures were completed, which re not completed, and reasons for procedures not completed.				
a. <b>Domin</b>	ant Forearm (256 mN stimulator) procedures completed?		Yes	$\square_0$	No
i.	Rating 1a – Single Stimulus			(0 – 100)	□ <sub>99</sub> Not done
ii.	Rating 1b – 10 Stimuli			(0 – 100)	□ <sub>99</sub> Not done
iii.	Rating 2a – Single Stimulus			(0 – 100)	□ <sub>99</sub> Not done
iv.	Rating 2b – 10 Stimuli			(0 – 100)	□ <sub>99</sub> Not done
v.	Rating 3a – Single Stimulus			(0 – 100)	□ <sub>99</sub> Not done
vi.	Rating 3b – 10 Stimuli			(0 – 100)	□ <sub>99</sub> Not done
vii.	Calculated WUR (mean of a.ii, a.iv.,a.vi. / mean of a.i., a.iii., a.v.) to be	gene	rated	by Biostatis	tics.
viii.	After-sensation rating 15 s			(0 – 100)	□ <sub>99</sub> Not done
ix.	After-sensation 30 s			(0 – 100)	□ <sub>99</sub> Not done
If Dominan	at Forearm (256 mN stimulator) procedures were NOT completed,	pleas	se con	firm reasons	s below
x.	Procedure stopped early		Yes	$\square_0$	No
xi.	Procedure too painful/uncomfortable		Yes	$\Box_{0}$	No
xii.	Other (please specify)		Yes	$\square_0$	No



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		<b>—</b>	_	
D. Suprap	pubic (256 mN stimulator) procedures completed?	□₁ Yes	$\Box_0$	No
i.	Rating 1a – Single Stimulus	(0 – 10	0)	$oxed{\square}_{99}$ Not done
ii.	Rating 1b – 10 Stimuli	(0 - 10	0)	$oldsymbol{\square}_{99}$ Not done
iii.	Rating 2a – Single Stimulus	(0 – 10	0)	ີ⊒ <sub>99</sub> Not don∈
iv.	Rating 2b – 10 Stimuli	(0 - 10	0)	□ <sub>99</sub> Not done
V.	Rating 3a – Single Stimulus	(0 - 10	0)	$oldsymbol{\square}_{99}$ Not done
vi.	Rating 3b – 10 Stimuli	(0 - 10	0)	□ <sub>99</sub> Not done
vii.	Calculated WUR (mean of b.ii, b.iv.,b.vi. / mean of b.i., b.iii., b.v.) to be	generated by Bios	statis	tics.
viii.	After-sensation rating - 15 s	(0 - 10	0)	$oldsymbol{\square}_{99}$ Not done
ix.	After-sensation rating - 30 s	(0 - 10	0)	☐ <sub>99</sub> Not done
If Suprapul	bic (256 mN stimulator) procedures were NOT completed, please of	onfirm reasons be	elow	
x.	Procedure stopped early	□₁ Yes	$\Box_0$	No
xi.	Procedure too painful/uncomfortable	□₁ Yes	$\Box_0$	No
xii.	Other (please specify)	$\square_1$ Yes	$\square_0$	No
V. Conditioned Pain I	<u>Modulation</u>			
12. Were ALL Con	ditioned Pain Modulation procedures completed?	□₁ Yes	$\Box_0$	No
	please confirm which procedures were completed, which e not completed, and reasons for procedures not completed.			
a. *Note:	Original Q.#12a. section removed per confirmation from QST w	orking group.		
b. <b>Test S</b>	timulus Calibration			
i.	Initial Pain40 pressure	(k	g)	
ii.	Initial Pain40 pre-test rating	(0 - 10	00)	
iii.	Final adjusted Pain40 Pressure	(kg	<b>J</b> )	□ <sub>99</sub> N/A
iv.	Final adjusted Pain40 pre-test rating	(0 - 10	00)	□ <sub>99</sub> N/A
V.	Number of adjustments required			□ <sub>99</sub> N/A



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		<b>timulus</b> ures con		s, dominant th	numb, Pain40 pres	sure)		Yes	$\Box_{0}$	No
	i.	Rating	1 - 10 s					(	0 – 100)	□ <sub>99</sub> Not done
	ii.	Rating	2 - 20 s					(	0 – 100)	□ <sub>99</sub> Not done
	iii.	Rating	3 - 30 s					(	0 – 100)	□ <sub>99</sub> Not done
	iv.	Calcula	nted mean of	3 test stimulus	ratings to be gener	ated by Biostat	istics	).		
	v.	Calcula	ted Pressure	Summation (c	c.iii c.i.) to be gene	rated by Biosta	tistic	s.		
			one (30-s, F	Pain40 thumb	pressure) procedu	ıres were <i>NOT</i>	com	pleted	,	
	vi.	Proced	ure stopped	early				Yes	$\Box_0$	No
	vii.	Proced	ure too pain	ful/uncomforta	ble			Yes	$\Box_{0}$	No
	viii.	Other (	please specif	y)				Yes	$\Box_{0}$	No
	( <b>60-s</b> , 3 procedu	32 °C ne ures con	eutral foot b npleted?	conditioning S				Yes	$\Box_0$	No
	1.	_	Rating 2 -	-	timulus (100t batti)				0 400)	□ Nat dame
										□ <sub>99</sub> Not done
			Rating 3 - 2							□ <sub>99</sub> Not done
		3.	Rating 4 - 6		to be seemented !	h Diantatiatian		(	0 – 100)	□ <sub>99</sub> Not done
	:	4.			gs to be generated i	by Biostatistics	i.			
	II.	_		nulus (thumb)					0 400) 🗆	) Not done
			Rating 1 –							l <sub>99</sub> Not done
			Rating 2 –					(	0 – 100) 🗅	<b>1</b> <sub>99</sub> Not done
		3.	Rating 3 –						,	3 <sub>99</sub> Not done
		4.	Calculated	mean of 3 test	stimulus ratings to l	be generated by	/ Bios	statisti	cs.	
				Conditioning reasons below	Stimulus (60-s, ne	eutral foot bat	: <b>h)</b> pr	ocedu	res were <b>/</b>	IOT
	iii.	Proced	ure stopped	early				Yes	$\square_0$	No
	iv.	Proced	ure too pain	ful/uncomforta	ble		$\square_1$	Yes	$\Box_0$	No
	٧.	Other (	please specif	y)		<del></del>		Yes	$\square_0$	No



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		<u> </u>					
e. Painfu	ul Conditioning Stimulus Calibration						
i.	Initial hot water temperature: (°C)	(°C)					
ii.	Initial hot water rating	(0 – 100)					
iii.	Final adjusted water temperature (46.5 °C max)	(°C)	□ <sub>99</sub> N/A				
iv.	Final adjusted rating	(0 – 100	□ <sub>99</sub> N/A				
V.	Number of adjustments required		□ <sub>99</sub> N/A				
vi.	Was the immersion circulator repositioned to provide direct water flow onto foot?	□₁ Yes □₀	No				
	Stimulus + Painful Conditioning Stimulus hot foot bath, non-dominant foot) procedures completed?	$\square_1$ Yes $\square_0$	No				
i.	Ratings of Painful Conditioning Stimulus (foot bath)						
	1. Rating 2 - 10 s	(0 – 100)	☐ <sub>99</sub> Not done				
	2. Rating 3 - 25 s	(0 – 100)	$\square_{99}$ Not done				
	3. Rating 4 - 60 s	(0 – 100)	□ <sub>99</sub> Not done				
	4. Calculated mean of 3 ratings to be generated by Biostatistics	•					
ii.	Ratings of Test Stimulus (thumb)						
	1. Rating 1 – 40 s	(0 - 100)	□ <sub>99</sub> Not done				
	2. Rating 2 – 50 s	(0 – 100)	$oldsymbol{\square}_{99}$ Not done				
	3. Rating 3 – 60 s	(0 – 100)	□ <sub>99</sub> Not done				
	4. Calculated mean of 3 test stimulus ratings to be generated by	/ Biostatistics.					
If <b>Test Stimulus + Painful Conditioning Stimulus (60-s, hot foot bath)</b> procedures were <b>NOT</b> completed, please confirm reasons below							
iii.	Procedure stopped early	$\square_1$ Yes $\square_0$	No				
iv.	Procedure too painful/uncomfortable	$\square_1$ Yes $\square_0$	No				
V.	Other (please specify)	□ <sub>1</sub> Yes □ <sub>0</sub>	No				
g. <b>CPM</b> I	Magnitude (calculated variables)						
i.	Neutral (Sham) Conditioning (d.ii.4. – c.iv.) (0 – ±100) to b	e generated by Biostat	tistics.				
ii. Painful Conditioning (f.ii.4 c.iv.) (0 - ±100) to be generated by Biostatistics.							
iii.	CPM relative effect (f.ii.4. – d.ii.4) (0 – ±100) to be generate	ed by Biostatistics.					
13. Comments:							

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QST