Appendix A. Search strategy

Codes provided for Electronic Database Warehouse (EDW) analyst:

Neuroma ICD 9/10 codes: 215.9 - ICD9 d36.10 - ICD10

CPT codes:

64910 - Neuroma excision

64905 - Nerve pedicle transfer

64784 – PR excise major peripheral neuroma

64912 - PR nerve repair with nerve allograft first strand

64999 - PR Nervous system surgery unlisted

Appendix B. Inclusion criteria

Inclusion criteria: Patients age 18-100, surgically treated by Dr. Dumanian at Northwestern Memorial Hospital for abdominal wall neuroma pain between 1/1/2009-1/30/20.

Appendix C: Flow diagram depicting patient selection process for the review and final analysis

Manual review **EDW Analyst** Eligible by research 20 patients 359 charts patients added search team to met inclusion Northwestern captured during study identify criteria **EDW Database** period patients

Abdominal Wall Neuroma Pain Survey

Thank you for consenting to participate in our study! Please complete the survey below.

Than	k you!
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the past week, how severe as your WORST abdominal wall ain?	0	\circ									
			O	0	0	0	0	0	0	0	8
	0 (none)	1	2	3	4	5	6	7	8	9	10 (most
the past week, how severe as your AVERAGE abdominal all pain?	0	0	0	0	0	0	0	0	0	0	6
	0 (none)	1	2	3	4	5	6	7	8	9	10 (most severe
hat is your current level of odominal wall pain?	0	0	0	0	0	0	0	0	0	0	6
	0 (never)	1	2	3	4	5	6	7	8	9	10 (alway s)
the past week, how often ave you felt emotionally upset?	0	0	0	0	0	0	0	0	0	0	0
	0 (worst	1	2	3	4	5	6	7	8	9	10 (best)
the past week, how was your eep quality?	D	0	0	0	0	0	0	0	0	0	0
	0 (none)	1	2	3	4	5	6	7	8	9	10 (most severe
ow much does your abdominal all pain interfere with your bility to do the physical ctivities of daily living and of njoyment?	0	0	0	0	0	0	0	0	0	0	8
	the past week, how often ave you felt emotionally upset? the past week, how was your eep quality? ow much does your abdominal all pain interfere with your bility to do the physical ctivities of daily living and of njoyment?	all pain? O (none) That is your current level of odominal wall pain? O (never) The past week, how often ave you felt emotionally upset? O (worst the past week, how was your eep quality? O (none) O (none) O (none) O (none)	the past week, how often ave you felt emotionally upset? output the past week, how often ave you felt emotionally upset? output the past week, how was your eep quality? output the past week, how was your eep quality? output the past week, how was your eld (none) output the past week, how was your eld (none) output the past week, how was your eld (none) output the past week, how was your eld (none)	the past week, how often ave your felt emotionally upset? The past week, how was your eep quality? O 1 2 (never) O 1 2 (never) O 1 2 (never) O 1 2 (none) O 1 2 (none) O 1 2 (worst O 1) O 1 2 (worst O 1) O 1 2 (none) O 1 2 (none) O 1 2 (none) O 1 3 (none) O 1 4 (none) O 1 5 (none) O 1 6 (none) O 1 7 (none) O 1 8 (none)	the past week, how often ave you felt emotionally upset? O 1 2 3 (never) the past week, how often ave you felt emotionally upset? O 1 2 3 (worst O 1 2 3 (worst O 1 2 3 (mone) O 1 2 3 (worst O 1 2 3 (mone) O 1 2 3 (mone)	the past week, how often ave your felt emotionally upset? O	the past week, how often ave you felt emotionally upset? O 1 2 3 4 5 (never) the past week, how often ave you felt emotionally upset? O 1 2 3 4 5 (worst) the past week, how was your eep quality? O 1 2 3 4 5 (worst) O 1 3 4 5 (worst) O 1 5 5 (worst) O 1 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	all pain? O 1 2 3 4 5 6 That is your current level of odominal wall pain? O 1 2 3 4 5 6 The past week, how often ave you felt emotionally upset? O 1 2 3 4 5 6 The past week, how was your eep quality? O 1 2 3 4 5 6 The past week, how was your of the past week, how was your eep quality? O 1 2 3 4 5 6 The past week, how was your of the past week, how was your eep quality? O 1 2 3 4 5 6 The past week, how was your of the past week, how of the past week, how of the past week, how was your of the past week, how was your of the past week, how of the past week, h	all pain? O 1 2 3 4 5 6 7 (none) hat is your current level of odominal wall pain? O 1 2 3 4 5 6 7 (never) the past week, how often ave you felt emotionally upset? O 1 2 3 4 5 6 7 (worst O 1 2 3 4 5 6 7 (worst O 1 2 3 4 5 6 7 (more) O 1 2 3 4 5 6 7 (more) O 1 2 3 4 5 6 7 (worst O 1 2 3 4 5 6 7 (worst O 1 2 3 4 5 6 7 (mone) O 1 2 3 4 5 6 7 O 1 5 6 7 O 1 6 7 O 1 7 O 1 7 O 2 8 7 O 3 8 7 O 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	all pain? O 1 2 3 4 5 6 7 8 that is your current level of odominal wall pain? O 1 2 3 4 5 6 7 8 Independent of odominal wall pain? O 1 2 3 4 5 6 7 8 Independent of odominal wall pain? O 1 2 3 4 5 6 7 8 Independent of odominal wall pain? O 1 2 3 4 5 6 7 8 Independent of odominal wall pain? O 1 2 3 4 5 6 7 8 Independent of odominal wall pain? O 1 2 3 4 5 6 7 8 Independent of odominal wall pain interfere with your odd of odd odd	all pain? O 1 2 3 4 5 6 7 8 9 Chat is your current level of your much does your abdominal all pain interfere with your oility to do the physical citivities of daily living and of njoyment?

Enter "None" if you are not taking any medications for abdominal wall pain.

₹EDCap

8)	Which of the following best describes your current occupation status?	 Working full time (including full-time student or running the home) Working part time Retired Retraining for alternative employment or looking for work
		Unable to work

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