

SUCCESSFUL OPIOID REDUCTION WHEN TREATING PAIN BY USING ELECTRIC CELL SIGNALING

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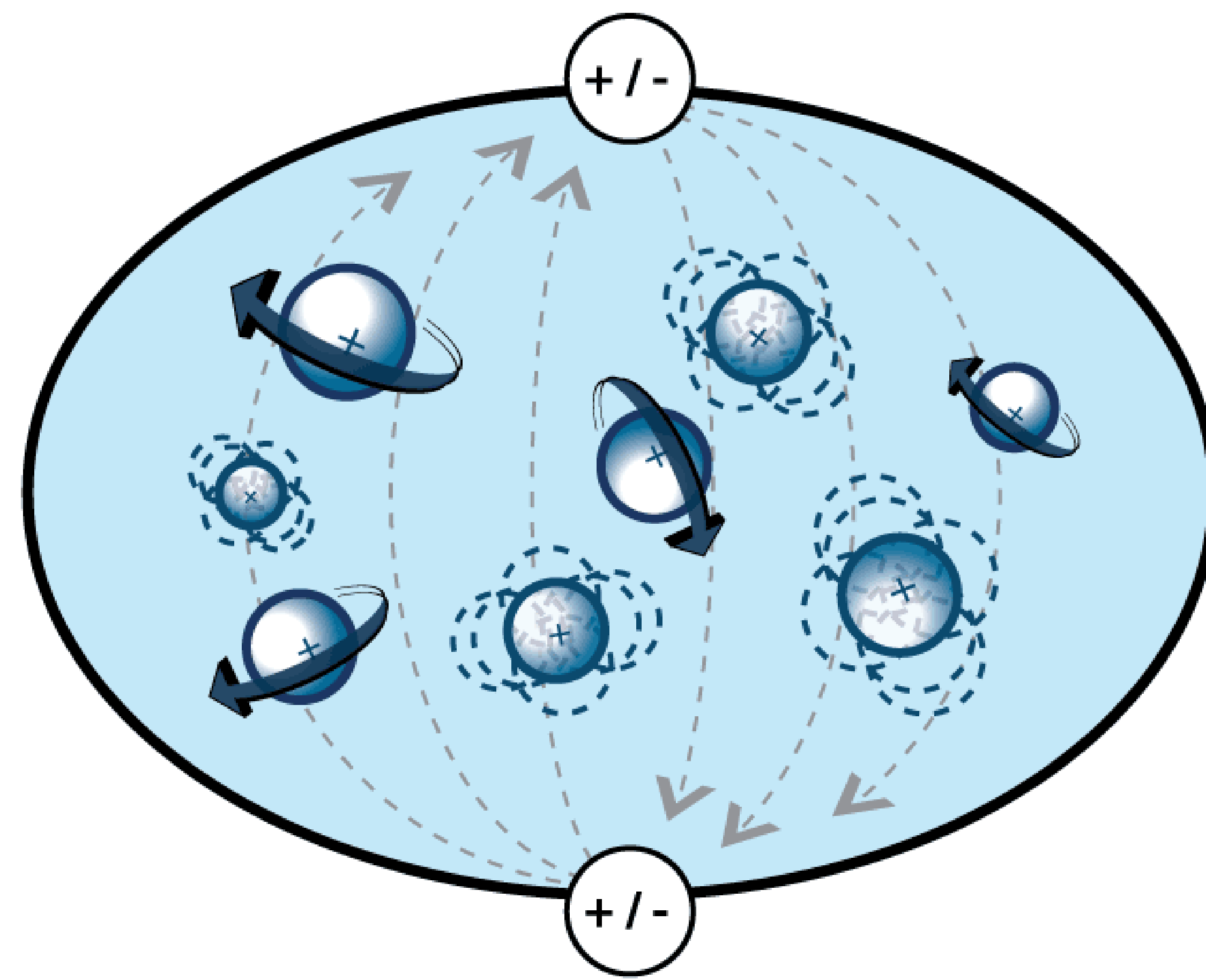
INTRODUCTION: According to the CDC, the opioid epidemic that currently faces America caused 47,050 deaths in 2014 or 5.37 deaths every hour. [1] Mindfulness-Based Stress Reduction, yoga, exercise, and cognitive-behavioral therapy represent non-narcotic treatments that have shown some success in reducing the use of narcotics. [2] Electric cell signaling of nerve cells has produced effective and safe results in reducing neuropathic pain. [3] This study reports that electric signaling of nerve cells reduces the use of opioids.

METHODS: Electric signaling of cells uses true FM signaling with an overriding AM frequency to give a spread-spectrum frequency hopping (FHSS) technique to ensure no nerve accommodation by emphasizing chaotic signaling and self-focusing mechanisms to re-establish proper pain signal processing.

Figure 1.



This causes alternating electric fields to change the orientation and energy of molecules within the cell, thereby increasing the probability that specific chemical groups of substrates and enzymes will chemically react. (Figure 2.) [4]

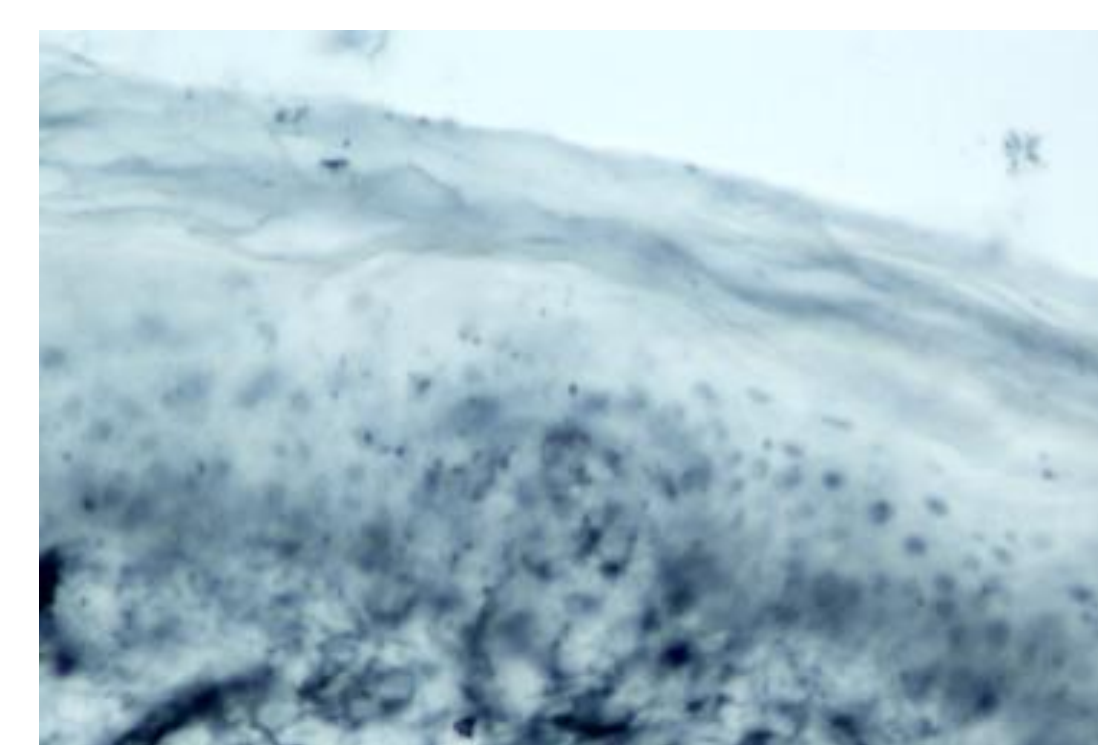


The effect of the electric cell signaling is to heal the cells and cause regeneration of nerves. (Figure 3.) [5,6]

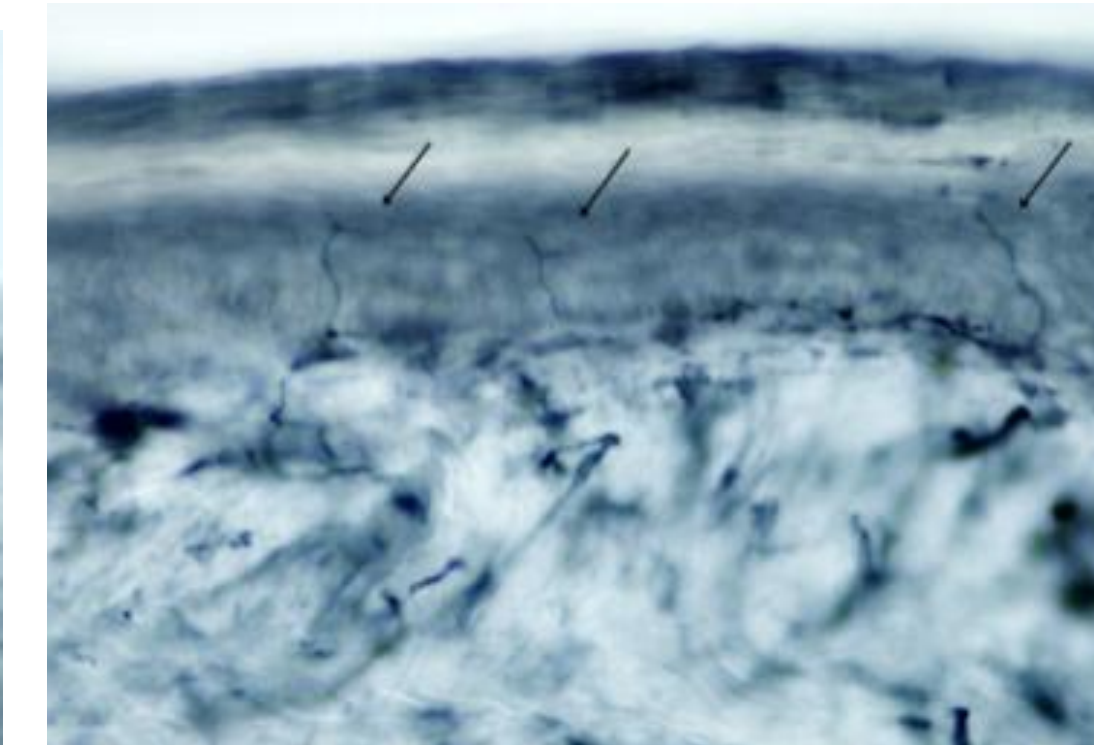
Case Example: 65 year old female with diabetic peripheral neuropathy had 16 CETs in 3 ½ months.

Pre CET: VAS = 9

Post CET: VAS = 2



Pre CET Biopsy 8/14/2013
0.0 nerves/mm (normal >3.0/mm)
VAS: Decreased by 77%



Post CET Biopsy 5/13/2014
3.4 nerves/mm (normal >3.0/mm)
ENFD increased from 0/mm to 3.4/mm

MATERIAL: Sixteen patients with an average age of 52 (24-89), [9 females & 7 males] and a variety of pain syndromes involving their back, joints or nerves voluntarily consented to undergo electrical cell signaling treatment.

RESULTS:

ID #	Age/ Sex	Dx	#Tx	Pre Tx	Post Tx	% Change
4696	44/F	LBP	46	Norc. 10 BID	0	100%
2737	69/F	IPN	96	Norc. 10 QID	TID	25%
5189	52/F	LBP	15	Oxy. 10 QID	0	100%
4120	58/F	PLS	41	Oxy. 10 QID	BID	50%
5162	33/M	HNP	5	Oxy. 10 TID	BID	33%
5293	61/M	Knee	14	Norc. 10 QID	TID	25%
5365	68/M	DPN	11	Oxy. 10 QID	BID	50%
5119	70/F	Joint	16	Hydr. 7.5 TID	0	100%
5242	36/F	Knee	9	Rox. 30 QID	0	100%
3657	89/M	LBP	14	Norc. 10 TID	0	100%
4890	24/F	CPS	20	MS. 5/d	0	100%
4834	52/M	LBP	26	Oxy. 15 QID	TID	25%
5058	36/F	Knee	17	Hyd. 7.5 QID	TID	25%
5286	55/F	Thor.	5	MS. 10 TID	0	100%
5092	32/M	DPN	13	Oxy. 10 QID	TID	25%
5194	45/M	LBP	11	Oxy. 10 TID	0	100%

LBP = Low Back Pain; **DPN** = Diabetic Peripheral Neuropathy; **IPN** = Idiopathic Peripheral Neuropathy; **PLS** = Post Laminectomy Syndrome; **HNP** = Herniated Disc; **CPS** = Chronic Pain Syndrome

Reduction in Opioid Use

Reduction	# Pts.	%
25% Reduction	3	18.75%
33% Reduction	3	18.75%
50% Reduction	2	12.5%
100% Reduction	8	50%
Ave. Reduction	16	67%

CONCLUSION: In this small, pilot study 16 patients received an average of 23.4 electric cell signaling treatments. (5-95). They all reduced their opioid use by an average of 67% (25%- 100%) with 50% being able to stop their opioid use all together. Because a 2014 study documents that 5.3 patients died every hour of every day that year, this report from a private practice strongly suggests that major research facilities and professional organizations need to use their resources to do appropriate studies to validate these results. Any technique that can significantly reduce the need for opioids will also significantly reduce the current levels of opioid deaths in America.

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