

# CENTRAL ILLINOIS PARKINSON SUPPORT GROUP

Blessed are those who can laugh at themselves....

Web site: [www.heartstohands.org](http://www.heartstohands.org)

They shall never cease to be entertained

**DATE: May 7, 2016**

**TIME: 1:30 – 3:30**

**Program: Dr. Carla Couri D.MD.**

**WHERE: OSF Center for Health**

**5114 N. Glen Park Place**

**Peoria, IL 61614**

This month the program will be Doctor Carla Couri D.MD. Doctor Couri has worked with several Parkinson's patients and is aware of many of the problems associated with Dentistry and Parkinson's.

Last month was our Educational Seminar Co-Hosted with the American Parkinson's Disease Association Midwest Chapter. We had 90 people in attendance. I would like to thank the speakers for taking time out of their busy Saturday to make sure that we had a very informative afternoon. Rock Steady Boxing got the program started with a demonstration of boxing and Dr. Lamichhane and Dr. Pratt gave very informative programs, that I'm sure we can put to use in our everyday life. I would also like to make sure we thank INI for providing the food, the Valet parking and the use of the room.

Rock steady boxing held an open house on Saturday, April 9. The gym was packed and everyone there had a great time if you would like more information on this program please contact Crossfit (309) 339-3224.

The next Parkinista's / Young Onset Meeting will be May 18<sup>th</sup> 3:30 at the Panera's in Westlake Shopping Center in Peoria. Call Barb @ 699-7394 or 309 712-3770 if you want more information.

## ADAPTIVE DEEP BRAIN STIMULATION FOR PARKINSON'S DISEASE

Conventional Deep Brain Stimulation is set by a movement disorders specialist and left running continuously without change until the next clinic visit. However, this continuous high voltage stimulation may interfere with normal functioning. In contrast, Adaptive deep brain stimulation (aDBS) has the potential to greatly improve the treatment of Parkinson's disease by optimizing deep brain stimulation in real time according to fluctuating disease and medication state.

An external portable aDBS system prototype was developed that was designed for clinical testing in people with Parkinson's Disease who had externalised DBS electrodes. The aDBS system was validated by testing both its sensing and stimulation capabilities, and then by testing it in vivo, focusing on the sensing capabilities. By applying the aDBS system prototype in a patient with Parkinson's Disease, evidence was provided that it can track L-dopa and DBS-induced LFP spectral power changes among different patient's clinical states.

Compared to conventional deep brain stimulation (DBS) for people with Parkinson's Disease (PD), the newer approach of adaptive DBS (aDBS), regulating stimulation on the basis of the patient's clinical state, promises to achieve better clinical outcomes, avoid adverse-effects and save time for tuning parameters.

Reference : Medical Engineering and Physics [2016] [Epub ahead of print] (M.Arlotti, L.Rossi, M.Rosa, S.Marceglia, A.Priori)

Complete abstract : <http://www.ncbi.nlm.nih.gov/pubmed/27029510>

<http://www.heartstohands.org>

Please remember to eat at Chili's and help out the Don Bohlander Parkinson's Disease Fundracers.



### Chili's Give Back Program

Bring this voucher when you visit (Dine In or To Go) the Chili's location identified below and 15% of your purchase (excluding taxes) will benefit:

**DON BOHLANDER  
PARKINSON'S DISEASE  
FUNDRacers**

Group/Charity

**3/1/16-5/31/16**

Event/Exp. Date

One coupon per person, per visit at participating Chili's restaurants only. Cannot be combined with any other offer. Offer ends per expiration date above.

**PEORIA, EAST PEORIA, AND NORMAL**

Chili's Locations

**#99999000006430**



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The Support Group has had a U-Step Walker, the Support Group will make this walker available to any member of the support group that needs this type of device and is unable to afford one. The walker will be made available free of charge, but will remain the property of the Support Group. Please contact Barb or Roger for more information.

The U-Step 2 increases your independence. The secret is in our patented U-shaped base. Its ultra-stable foundation braces you in every direction. It is not like pushing a typical walker. Instead, the U-Step 2 surrounds you and moves with you. You will feel as stable as you would feel holding onto another person's arm.

We have added a few new books to the library. If you are interested in reading a book that is available in the library. Please give us a call we will bring it to the next meeting. A complete list of books can be found at <http://www.heartstohands.org/support.html> click on Book List. I have corrected the problem with the list and it should load properly now.

If you are a member of a church or civic group, is your club or group looking for a speaker? I would enjoy being able to give them a Parkinson's Awareness program. Please feel free to give them my name and phone number, Roger Halleen 309 219-1210