



PARKINSON'S DISEASE

SPOTLIGHT ON CLINICAL TRIALS: OPENING THE DOOR TO NEW TREATMENTS

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WELCOME AND INTRODUCTIONS



Stephanie Paul Senior Vice President Development and Marketing American Parkinson Disease Association



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PRESENTATION



David G. Standaert, MD, PhD John N. Whitaker Professor and Chair of Neurology The University of Alabama at Birmingham School of Medicine Chair, APDA Scientific Advisory Board

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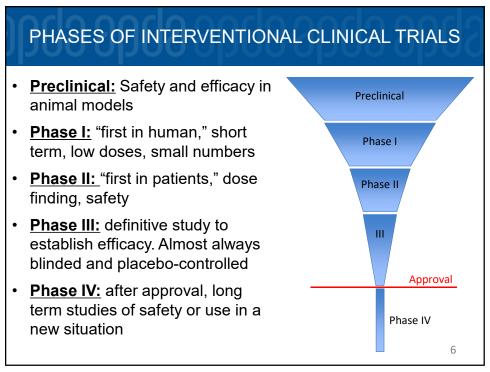
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WHAT IS A "CLINICAL TRIAL" ?

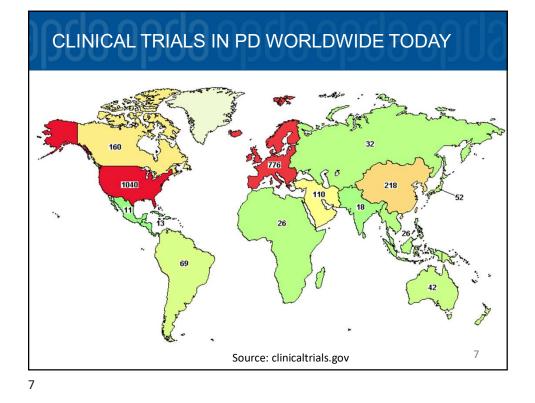
- Different kinds of trials, different purposes:
- Observational Study
 - Determine the cause of a disease or condition
 - · Find out about the natural history of a disease
 - · Assess long-term outcomes of treatments

• Interventional Study

- Test a new therapy for safety and/or efficacy
- Often involves "placebo control," the gold standard for establishing effectiveness







CURR	ENT CLINIC	AL TRIALS IN PD: USA
	U.S. National Library of Medicine ClinicalTrials.gov	Text (Suday - About Suday - Retent Studay - Resources - About Sile -
	ClinicalTrials.gov is a database of privately and publicly funded clinical studies conducted around the world.	
	Explore 330.474 research studies in all go states and in zog countries. CitedThing was a rescore provide by the US. Namoil Carly of Medine. MINOTOXIV: Using a study data of marks has been valued by the U.S. Federal Government. That are distance for data Better participation at study. It is your heath can provide and learn about the mark and posterial learning.	Find a study interviewe
Clini	caltrials.gov is	the comprehensive source for trials
\succ	307 Currently active trials in PD	
\checkmark	214 Active Interventional trials	
\succ	141 Interventional, open to recruitment	
\triangleright	70 Observational, open to recruitment	

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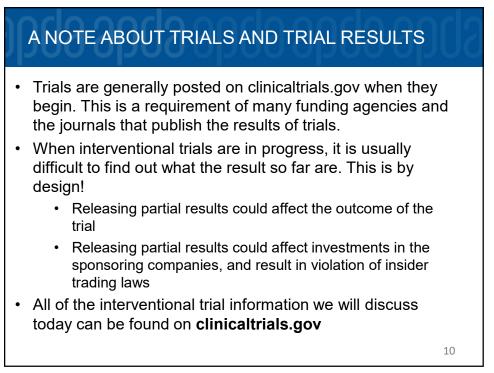




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HIGHLIGHTS OF CURRENT TRIALS IN PD

- Current Interventional Trials
 - NILO-PD
 - Synuclein antibodies
 - Novel DBS technologies, focused ultrasound
 - Exercise
- Current Observational Trials
 - Inflammation
 - Biomarkers
 - Outcomes





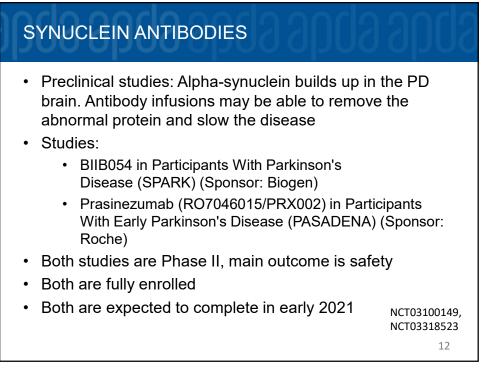


NILOTINIB IN PARKINSON'S DISEASE (NILO-PD)

- · Nilotinib is a drug approved to treat leukemia
- Preclinical studies suggested that nilotinib could slow degeneration of dopamine neurons
- Phase IIa study: Safety, tolerability of nilotinib in PD
- Sponsors: Northwestern, Rochester, Iowa, MJFF
- Two cohort study
 - Cohort 1: PD more than 5 years, nilotinib or placebo for 8.5 months
 - Cohort 2: Early PD, nilotinib or placebo for 14.5 months
- Current status: Cohort 1 is enrolled, waiting on results before Cohort 2 can begin

NCT03205488

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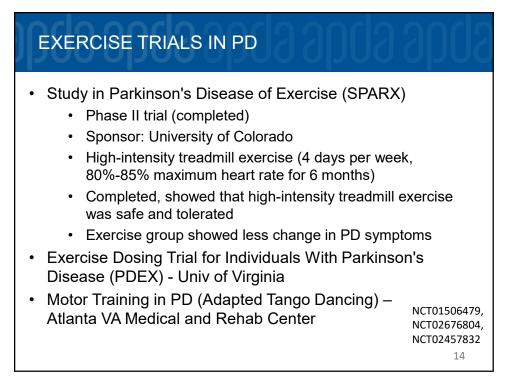


NOVEL TECHNOLOGIES

- New ways to deliver DBS from the NIH Brain Initiative:
 - Directional DBS for Parkinson's disease (Walker, UAB)
 - Closed Loop DBS for Parkinson's disease (Starr, UCSF)
 - Sponsor: National Institutes of Health
- Focused Ultrasound for PD
 - ExAblate Pallidotomy for Medically-Refractory Dyskinesia Symptoms or Motor Fluctuations of Advanced Parkinson's Disease
 - Sponsor: InSightec, Inc.

NCT03353688, NCT01934296, NCT03319485

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OBSERVATIONAL STUDIES IN PD

- Alabama Udall Center (National Institute of Health)
 - · Study of immune system activation in PD
 - · Early PD patients and controls
 - Brain imaging, lumbar puncture, genetics, and followup
 - Parkinson Progression Marker Initiative (MJFF)
 - · Largest observational study of early PD
 - 1,400 participants
 - 25,000 biospecimens
 - 1,700,000 data downloads to investigators
- Fox Insight (MJFF)
 - · Online study of the PD patient experience
 - More than 40,000 participants
 - · PD patients and controls
 - <u>https://foxinsight.michaeljfox.org/register</u>

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CLINICAL TRIALS IN PD: HOW CAN YOU GET INVOLVED?

- Resources for finding clinical trials you can participate in:
 - apdaparkinson.org/research/clinical-trials/
 - clinicaltrials.gov
 - foxtrialfinder.michaeljfox.org
 - Parkinson-Study-Group.org
- To find the cure, we need people with PD who are willing to join us in the search.
- Both PD and healthy controls are needed, there is a trial for everyone!





QUESTION & ANSWER



David G. Standaert, MD, PhD John N. Whitaker Professor and Chair of Neurology The University of Alabama at Birmingham School of Medicine Chair, APDA Scientific Advisory Board

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FOR ADDITIONAL INFORMATION, ANSWERS TO YOUR QUESTIONS, OR FOR ADDITIONAL RESOURCES

Please visit our website apdaparkinson.org

Or call us 1-800-223-2732

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