## G R E A T L A K E S NEUROTECHNOLOGIES

### Pioneering remote patient monitoring for Parkinson's disease and other movement disorders

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### Parkinson's is Difficult to Understand

## Sporadic clinical visits provide limited information about the patient's daily experience



Therapy optimization requires repeated visits over a period of months to years, and then starts all over.



### Parkinson's Market is Massive

US economic burden of PD is \$52 billion per year

90% of PD patients are on Medicare

Parkinson's was ~3.2% of the Medicare budget

Does not include international markets or other movement disorders PD treatment market is expected to reach \$12.1 Billion by 2030



## From Research to Remote Patient Monitoring

- ✓ Gold standard for Parkinson's disease and essential tremor
- Used commercially by thousands of patients and hundreds of clinical sites in research studies
- ✓ Continues to generate revenue in the research market
- Smartwatches now provide the opportunity to bring remote patient monitoring to movement disorders





## Validated Smartwatch Patient Monitoring



- Tracks motor symptoms (tremor, slowness, dyskinesia)
- Real-time access to data for patients and providers
- FDA-cleared and CE-marked
- Available for Apple and Android smartwatches

### Patient Phone/Watch



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### Key Value Drivers



### New Tools and Revenue Streams for Clinicians

# KinesiaU enables remote patient monitoring for movement disorders



\*Billable under CPT codes 99453, 99454, 99457, 99458, and 99091

## Real-World Evidence

- Used by over 20 pharma companies in the research market
- ✓ Optimize therapy remotely
- ✓ Improve engagement
- ✓ Increase therapy compliance
- ✓ Boost referrals for advanced therapies

Published

### **KinesiaU Improves Clinical Outcomes**



Isaacson S, Boroojerdi B, Waln O, McGraw M, Kreitzman D, Klos K, Revilla F, Heldman D, Phillips M, Terricabras D, Markowitz M, Woltering F, Carson S, Truong D (2019) Effect of using a wearable device on clinical decision-making and motor symptoms in patients with Parkinson's disease starting transdermal rotigotine patch: A pilot study. *Parkinsonism and Related Disorders*.

### **Significant Patent Protection**

#### **Issued patents cover:**

Sensor Based Monitoring of Movement Disorders Wireless Data Transfer and Monitoring

Artificial Intelligence for Quantifying Symptom Severity

Adjusting Medication, Drug Pump, or DBS Based on Objective Motor Assessment

Automated therapy adjustment



### Market Expansion and Exit Strategy



### Great Lakes NeuroTechnologies Management Team



**Dustin A. Heldman, PhD** President and COO



Robert N. Schmidt, MS, MBA, JD Chairman and CEO



**Brian M. Kolkowski, PhD, JD** Exec. VP & General Counsel



## The Time for KinesiaU is now!

- ✓ Technology, regulatory, and
  IP protection risks eliminated
- ✓ Efficient therapy adjustment and personalized medication schedules
- ✓ Enables remote patient monitoring billing for movement disorders



KinesiaU will be the standard of care for all people with Parkinson's



## **Questions?**

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