



## USER'S GUIDE

**Telephone:** (216) 361-5410 or toll-free 1-855-GLNeuro (1-855-456-3876)

9:00 a.m. - 5:00 p.m. EST

Monday – Friday

**Fax:** (216) 361-5420

Customer Support: [support@GLNeuroTech.com](mailto:support@GLNeuroTech.com)

Sales: [sales@GLNeuroTech.com](mailto:sales@GLNeuroTech.com)

<http://www.GLNeuroTech.com>

**Mailing Address:** Great Lakes NeuroTechnologies Inc.

10055 Sweet Valley Drive

Cleveland, Ohio 44125



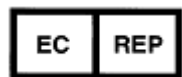
Great Lakes NeuroTechnologies Inc.

10055 Sweet Valley Drive

Cleveland, Ohio 44125

Phone: 216-361-5410

Fax: 216-361-5420



Emergo Europe

Molenstraat 15

2513 BH, The Hague

The Netherlands

Phone: + 31 (0) 70 345 8570

Fax: + 31 (0) 70 346 7229



© Great Lakes NeuroTechnologies Inc. 2014

User's Guide REF No. 392-0056, Rev C

DCO G337












## TABLE OF CONTENTS

Intended Use .....	3
Warnings .....	3
Standards and Definitions: .....	4
Kinesia Web Application System Recommendations .....	4
Package Contents and Warranty Information.....	4
Care and Use Instructions.....	5
Chapter 1: About Kinesia One .....	6
Chapter 2: Patient Kit.....	7
Tablet .....	7
Kinesia Sensor .....	8
Charge Pad .....	8
Chapter 3: Web Application .....	9
Logging in to the Kinesia Web Application .....	9
Adding a New Patient.....	10
Creating a New Study Definition .....	10
Creating/Editing a Study Template.....	13
Chapter 4: Patient Application .....	14
Settings .....	14
Setting up WiFi on the Tablet .....	16
Figure 11: Settings .....	16
Motor Test.....	16
Alarms .....	17
Chapter 5: Executing a Patient Study .....	18
Patient Kit Preparation .....	18
Patient Assembly At Home.....	18
Patient Use At Home.....	19
Diary Entries.....	19
Dyskinesia Diary .....	19
Medication Diary .....	20
Chapter 6: Study Definition and Data Transfer .....	22
Chapter 7: View Study Reports.....	23
Export Study Reports .....	23
Chapter 8: Frequently Asked Questions (FAQs).....	24

## ***Intended Use***

Kinesia One is intended to monitor physical motion and muscle activity to quantify kinematics of movement disorder symptoms such as tremor and assess activity in any instance where quantifiable analysis of motion and muscle activity is desired.

## ***Warnings***

-  Tripping Hazard – keep the electrical cord away from walking paths
-  Do not use in conjunction with a defibrillator.
-  Improper routing of cabling may result in a choking hazard.
-  Do NOT expose the system to liquids. Liquid exposure may permanently damage the system.
-  Do NOT turn the system on immediately if it has been stored in temperatures lower than 50°F or higher than 90°F. Wait at least two hours for the system to return to room temperature before it is turned on. Operate system with room humidity between 35% and 80%.
-  Do NOT place the system next to a TV, air conditioning unit, or other household appliance that may cause interference and damage from magnetic fields.
-  The Kinesia Sensor may present a choking hazard. Keep away from children under 3 years of age.
-  If the power supply or the cord is damaged, do not use the system.
-  If you want to dispose of your device, please return it to Great Lakes NeuroTechnologies Inc.
-  Keep the space around the tablet free of debris to reduce the risk of overheating.
-  DO NOT use an autoclave or other high temperature sterilization method on any Kinesia One system component.

For more safety and regulatory information and for battery disposal information, refer to the Regulatory Safety and Environmental Notices provided with the Kinesia Tablet's documentation

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

**Note:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## ***Standards and Definitions:***

The following symbol on product labeling warns of potential choking hazards:



## ***Kinesia Web Application System Recommendations***

Internet Explorer 8 and 9

1024 X 768 or greater display resolution

Adobe Reader

Microsoft® Silverlight

Broadband Internet access

**Note:** Macintosh® and Linux® operating systems are not supported. Certain features of the Web Application require Microsoft Silverlight

**Note:** Web Application performance may vary based on your system configuration.

## ***Package Contents and Warranty Information***

Great Lakes NeuroTechnologies Inc. thanks you for your recent product purchase. Great Lakes NeuroTechnologies offers phone technical support (9 AM-5 PM EST) and warrants Kinesia One (parts and labor) for 1 year from the date of purchase which covers material and workmanship under normal operating conditions and use. Technical support after the 1 year period will be charged hourly. Call Great Lakes NeuroTechnologies for hourly rates. For your benefit, we recommend that you record the pertinent details below. If necessary, this information will allow us to better serve your needs. We highly recommend that you staple a copy of the sales receipt to the blank pages in the back of this manual. Please check that your kit has the required components and record the requested data below:

Tablet Assembly (WIFI); 502-0269 or (WIFI+Cellular); 502-0270

Tablet SN: \_\_\_\_\_

Kinesia Sensor; 502-0263

Sensor SN: \_\_\_\_\_

Finger Sleeve (XS, black); 125-0006

Finger Sleeve (S, brown); 125-0007

Finger Sleeve (M, beige); 125-0008

Finger Sleeve (L, white); 125-0009

Finger Sleeve (XL, black); 125-0010

USB Charge Pad; 059-0013

Travel Case; 501-0279

User's Guide (this document); G392-0056

Date of Purchase: \_\_\_\_\_

## ***Care and Use Instructions***

When transporting Kinesia One, ensure all components are secured in the travel case to prevent damage.

It is not recommended to store Kinesia One in very hot or cold temperatures. If the system has been stored in an environment lower than 50°F or higher than 90°F, wait at least two hours for the system to return to room temperature before it is turned on.

Do not expose the system to liquid or excessive moisture to prevent mechanical or electrical damage.

**Note:** To prevent the possibility of cross contamination and to maintain hygienic safety, a thorough cleaning/disinfecting of the system components is required after each patient use.

Use only the following products to safely clean and disinfect the system components:

- Dimethyl benzyl ammonium chloride 0.3 % maximum concentration (i.e. germicidal disposable wipes)
- Alcohol-free glass cleaning fluids
- Water with mild (neutral pH) soap solutions (do not submerge any equipment, wipe down with damp cloth)
- Dry microfiber cleaning cloth or chamois cloth without oil
- Static-free cloth wipes

Avoid strong solvents such as alcohol wipes, acetone, ammonium chloride, methylene chloride and hydrocarbons which can permanently damage the surface of the system components.

## Chapter 1: About Kinesia One

**Kinesia One™** is a medical system designed to capture and evaluate Parkinson's disease symptoms from patients' homes. A take home kit, programmed to a specific patient's symptoms and treatments, is sent home with the patient to complete a variety of motor tests throughout the day to assess tremor, upper extremity bradykinesia, and dyskinesia. Physicians can view web-based reports including automated severity scoring that show symptom changes during the day in response to treatment.

## Chapter 2: Patient Kit

The Kinesia One Patient Kit consists of three primary components (Figure 1):

- A. Tablet
- B. Kinesia Sensor
- C. Charge Pad



**Figure 1: Kinesia One Hardware Components**

### ***Tablet***

The touch screen tablet is the central component of the Kinesia One Patient Kit. The preinstalled application provides guided instructions for patients to perform standardized motor tasks while wearing the Kinesia Sensor. Patient data is uploaded to the Kinesia Web Application to generate a study report for the clinician.



## ***Kinesia Sensor***

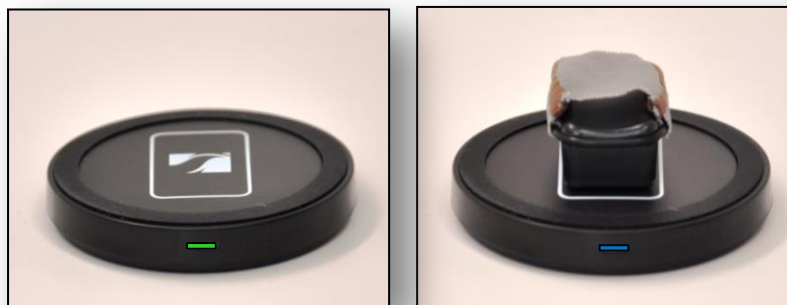
The Kinesia Sensor (Figure 2) is used to measure three dimensional movement (acceleration and angular velocity) while a patient performs a motor symptom assessment. The Kinesia Sensor is designed to be worn on the index finger or shoe heel, depending on the symptom being assessed. Five different finger sleeves are provided: X-Small (black), Small (brown), Medium (beige), Large (white), and X-Large (black). A heel clip is provided for securing the sensor to the shoe.



**Figure 2: Kinesia Sensor Proper Positioning**

## ***Charge Pad***

In order to be properly charged, the Kinesia Sensor should be placed in the white rectangular target area (Figure 3) with the label face down. The Charge Pad can be connected to a USB port or wall outlet using the provided cables. The LED indicator on the front of the Charge Pad will change from green to blue when the Kinesia Sensor is correctly positioned and remain on when fully charged. It is highly recommended that patients leave the Kinesia Sensor in this position between motor assessments.



**Figure 3: Charge Pad**

## Chapter 3: Web Application

The Kinesia Web Application (Figure 4) is a HIPAA-compliant online interface that allows clinicians to create study definitions, upload study data, and view study reports. The Web Application includes a patient database where you can easily add and update patient demographics and view studies. The status of a study is also displayed. Status indicators include: Setup Study, Pending Upload, New Report Ready and Archived Report.

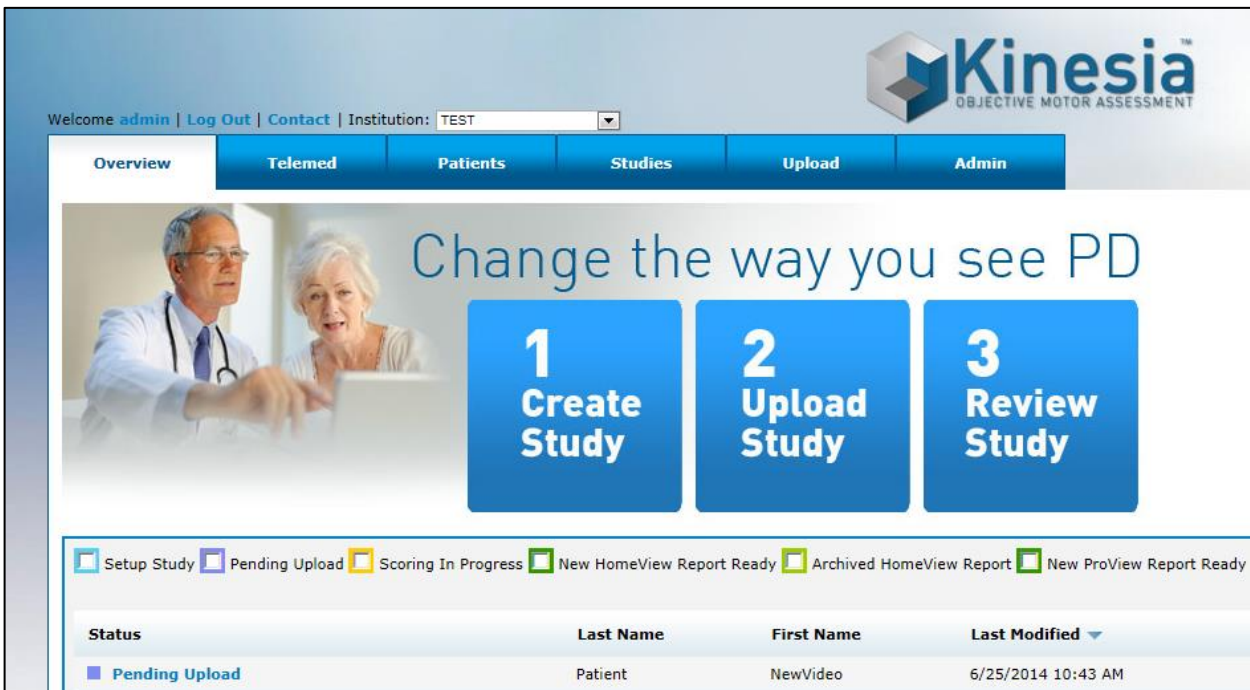


Figure 4: Kinesia Web Application

### Logging in to the Kinesia Web Application

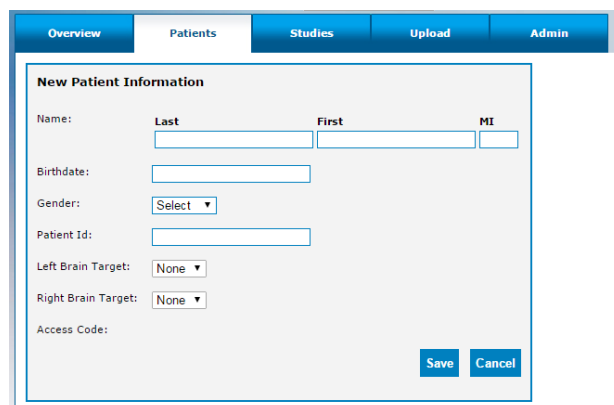
Upon purchase of Kinesia One you will be provided with a username and temporary password by your sales representative.

1. Log in to the Web Application (<https://kinesia.GLNeuroTech.com>) using your username and temporary password.
2. Click the Admin tab to change your password.

## Adding a New Patient

In order to add a new patient:

1. Log into the Web Application (<https://kinesia.GLNeuroTech.com>)
2. Select the 'Patients' tab on the top of the screen.
3. Select 'Add New Patient' and complete the patient information (Figure 5). Patient first and last name, birth date, and a unique patient ID are required.
  - a. A five digit alphanumeric Access Code is generated unique to each patient. This code will be used to load a patient's study onto a Tablet using the Kinesia One app.
4. Press 'Save' to add a new patient to the database, or 'Cancel' to return to the main screen.



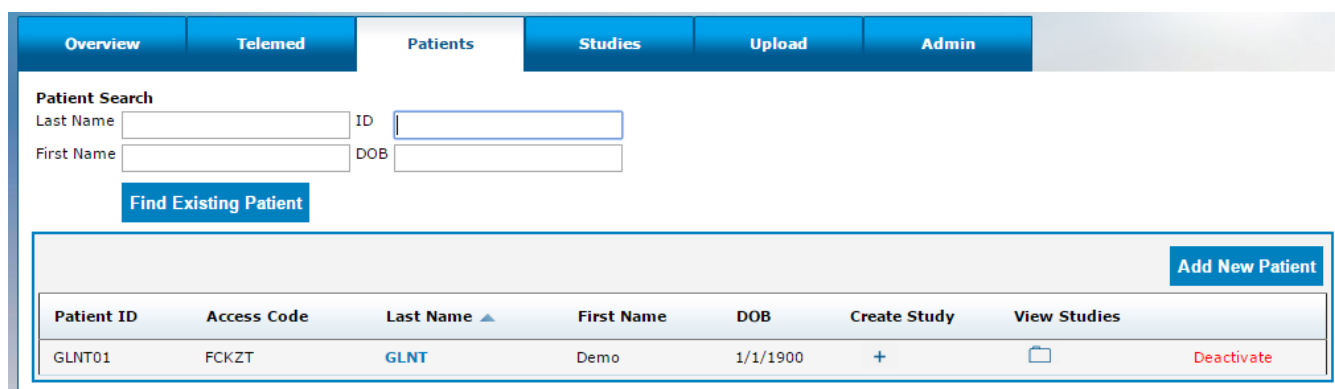
The screenshot shows the 'New Patient Information' form. It has a header with tabs: Overview, Patients, Studies, Upload, and Admin. The form fields are: Name (Last, First, MI), Birthdate, Gender (Select), Patient Id, Left Brain Target (None), Right Brain Target (None), and Access Code. There are 'Save' and 'Cancel' buttons at the bottom right.

Figure 5: Add New Patient Data

## Creating a New Study Definition

To create a new study definition:

1. Log in to the Web Application
2. Select the 'Patients' tab on the top of the screen
3. Select the '+' next to the patient's name under the 'Create Study' column to create a new study definition for a specific patient (Figure 6).



The screenshot shows the 'Patients' tab. It has a header with tabs: Overview, Telemed, Patients, Studies, Upload, and Admin. Below the header is a 'Patient Search' section with fields for Last Name, First Name, ID, and DOB, and a 'Find Existing Patient' button. Below that is a table of patients with columns: Patient ID, Access Code, Last Name, First Name, DOB, Create Study, and View Studies. The table shows one patient: GLNT01, FCKZT, GLNT, Demo, 1/1/1900. There is a '+' button in the 'Create Study' column and a 'Deactivate' button in the 'View Studies' column. An 'Add New Patient' button is in the top right corner.

Patient ID	Access Code	Last Name	First Name	DOB	Create Study	View Studies
GLNT01	FCKZT	GLNT	Demo	1/1/1900	+	Deactivate

Figure 6: Create Study Definition

To configure the study definition:

1. Select Diary Mode

- **Custom Diary** is not supported with Kinesia One.
- **Standard Dyskinesia Diary** mimics a paper diary sometimes used by patients which logs the general medication state. The patient will be required to select one of five diary options for each 30 minute period throughout the day. The diary options are Sleeping; OFF; ON without dyskinesia; ON with non-troublesome dyskinesia; ON with troublesome dyskinesia.
- **Modified Dyskinesia Diary** mimics a paper diary sometimes used by patients which logs dyskinesia severity in addition to the general medication state. The patient will be required to select one of three diary options for each 30 minute period throughout the day. The diary options are Sleeping, OFF, and ON. If ON is selected, the patient is prompted to rate their dyskinesia by selecting one of five severity options. The dyskinesia severity options are None, Slight, Mild, Moderate, and Severe.

2. Select Motor Assessment Mode

- **Specific Motor Tasks** objectively evaluate tremor, bradykinesia, gait, and dyskinesia at specific times during the day. Patients will be instructed to perform corresponding motor tasks (Table 1) while wearing the Kinesia Sensor on the index finger for upper extremity tasks and on the heel for lower extremity tasks. One must specify whether to assess the patient's left, right, or both sides.
- **Continuous Monitoring** is not supported with Kinesia One.
- **None** allows a study to be setup without sensor-based assessments.

Table 1: Specific Motor Tasks Labels

	Web Application	Patient Application
Upper Extremity	Rest Tremor	Arms Resting
	Postural Tremor	Arms Extended
	Kinetic Tremor	Touch Nose
	Finger Taps	Finger Taps
	Hand Movements	Hand Grasps
	Rapid Alternating Movements	Wrist Rotation
	Dyskinesia	Arms Resting & Arms Extended
Lower Extremity	Toe Taps	Toe Taps
	Leg Lifts	Leg Lifts
	Gait	Gait
	Freezing of Gait	Gait

## 2. Set Dates and Times

- For the Specific Motor Task study mode, select the date and time range and time interval when the Tablet will notify the patient to perform the sensor-based motor tasks.

**Note:** If 'I do not want to specify dates and times' is selected, that patient can manually start a Specific Motor Task assessment on the Tablet.

## 3. Set Motor Tasks

- Click and drag the motor tasks that the patient will perform over to the Selected Tasks box. The extremity side to be tested can be set to left, right, or both.

## 4. Set Med Diary.

- Select the medications that will appear on the Tablet when the patient records a dose taken. Custom medications can be entered by typing in the box and clicking 'Add'.

## 5. Set Symptom Diary and Set Activity Diary are not supported with Kinesia One. If Custom Diary was selected as the Diary Mode (see Step 1), these options will be presented during the setup. Check "I do not want a symptom diary" at the top right of the screen then click 'Next'. Repeat this step with the Activity Diary.

## 6. Summary

- Review and verify study definition settings (Figure 7). Notes can be entered for the study which will also appear in the study report on the Web Application. If notes are entered, click 'Save' to the right of the text box before proceeding.
- Select 'Finish' to save the study definition. Once 'Finish' is selected, no changes can be made and the study is ready for transfer to the Tablet.

**Note:** If your institution has a Study Template associated with it, the study configuration will automatically start on the Summary page. To modify the study, use the menu on the left to navigate to the step you would like to change and proceed until you return to the Summary.

Overview | Telemed | Patients | **Studies** | Upload | Admin

Patient ID: 1234567 | Last Name: Doe | First Name: Jon

Set Motor Assessment Mode | Set Dates and Times | Set Motor Tasks | Set Med Diary | Set Symptom Diary | Set Activity Diary | **Summary**

**Tasks**

Motor Assessment Mode: Specific Tasks

Dates: 7/6/2014

Motor Task Times: 6:00 PM

Upper Extremity Tasks: 1. Rest Tremor  
2. Hand Movements  
3. Kinetic Tremor

Lower Extremity Tasks: 1. Toe Taps

Selected Side(s): Both

**Diary**

Diary Mode: Dyskinesia Diary

Med Diary: Levodopa

Notes:   
 Save

**Finish** ➔

**Figure 7: Patient Study Summary Screen**

## ***Creating/Editing a Study Template***

Institution administrators can create, edit, or clear a study template. When a study template is created, all subsequent study definitions created by users affiliated with that institution will default to the template selections with the exception of the dates and times. However, each user can move through this template on a per patient basis to make any desired changes to the template.

To create a study template:


1. Login to the Kinesia Web Application.
2. Select the Studies tab.
3. Select the Create / Edit Study Template button.
4. Configure study template and select Finish.

**Note:** To clear a study template, the institution administrator must select the Studies tab and then Clear Study Template. A confirmation window will appear. Select OK to proceed with the deletion.

**Note:** Only institution administrators can create and edit templates and only one template per institution may exist at a time.

## Chapter 4: Patient Application

### Settings

The following features are in the Settings screen (Figure 8) by selecting the  symbol in the top left:

1. **Pair Sensor:** The Patient Kit includes a Kinesia Sensor that is pre-configured for your tablet. If you receive a new sensor, it may be necessary to pair it with your tablet using this feature. In order to pair a sensor, ensure that it is turned on and select the ID that matches the Kinesia Sensor from the Pair Sensor screen (Figure 9).
2. **Load Study Definition:** Once a patient study is created on the Kinesia Web Application, it is available to load on the Tablet. Enter the patient's five digit access code once a network connection is available (Figure 10). A study summary (Patient ID, side, and motor tasks) will appear on the screen. The most recently created study will be downloaded to the tablet.

**Note:** An internet connection is required to load a Study Definition onto the tablet. Depending on the system version purchased, a WiFi connection or mobile broadband connection is available.

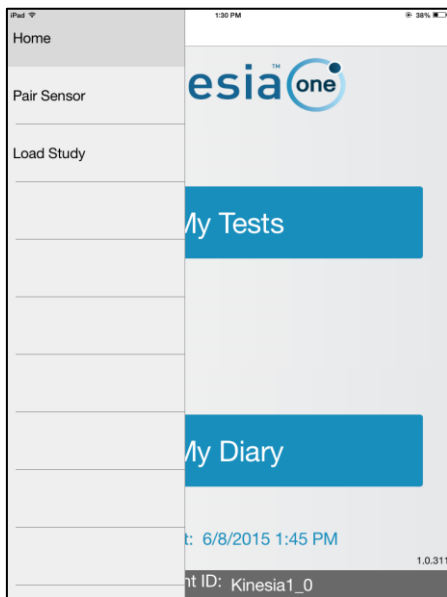


Figure 8: Settings



Figure 9: Pair Sensor

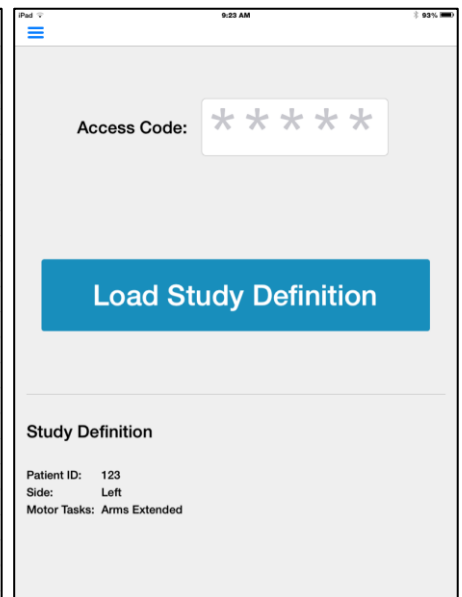
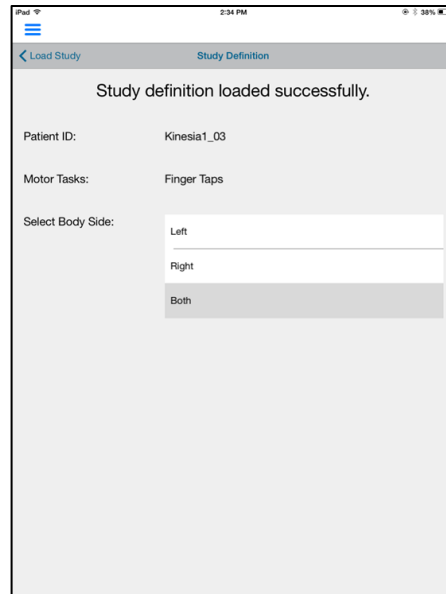


Figure 10: Load Study Definition



**Figure 11. Select Which Side is Assessed**

If needed, the side which is being assessed (right, left, or both) can be changed after downloading the study to the tablet (see Figure 11). The selection defaults to the option selected on the web app during creation of the patient study. Once the selection is final, tap "< Load Study" in the upper left hand corner to confirm.



## Connecting to WiFi

If WiFi is being used for connectivity, follow these steps.

1. Click the Settings icon on the tablet and select WiFi.
2. Ensure that WiFi is enabled using the slider next to Wi-Fi.
3. Select the appropriate network, enter the password, if prompted, and click Join.
4. If successfully connected to WiFi a connectivity icon will display at the top left of the screen.

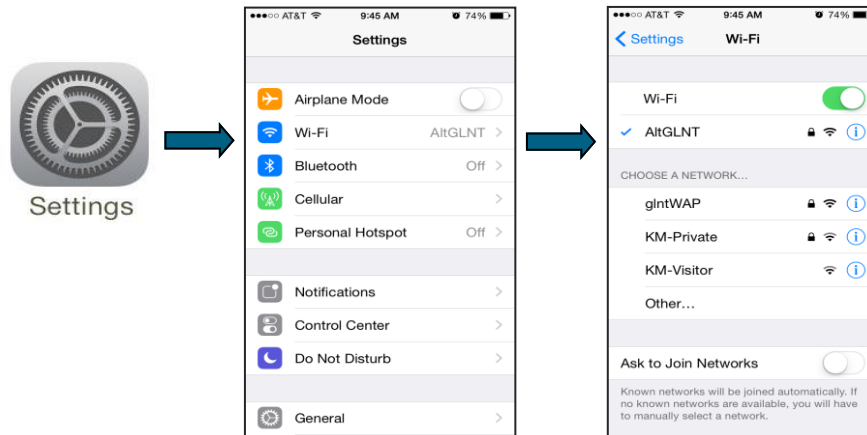


Figure 12: WiFi Settings

## Setting the Language

The Kinesia One tablet application includes translation support for the following languages: English, German, French, and Swedish. In order to change the language, follow these steps:

1. Click the Settings icon on the tablet and select General
2. Select Language & Region from the menu on the right
3. Tap iPad Language and select one of the supported languages from the list

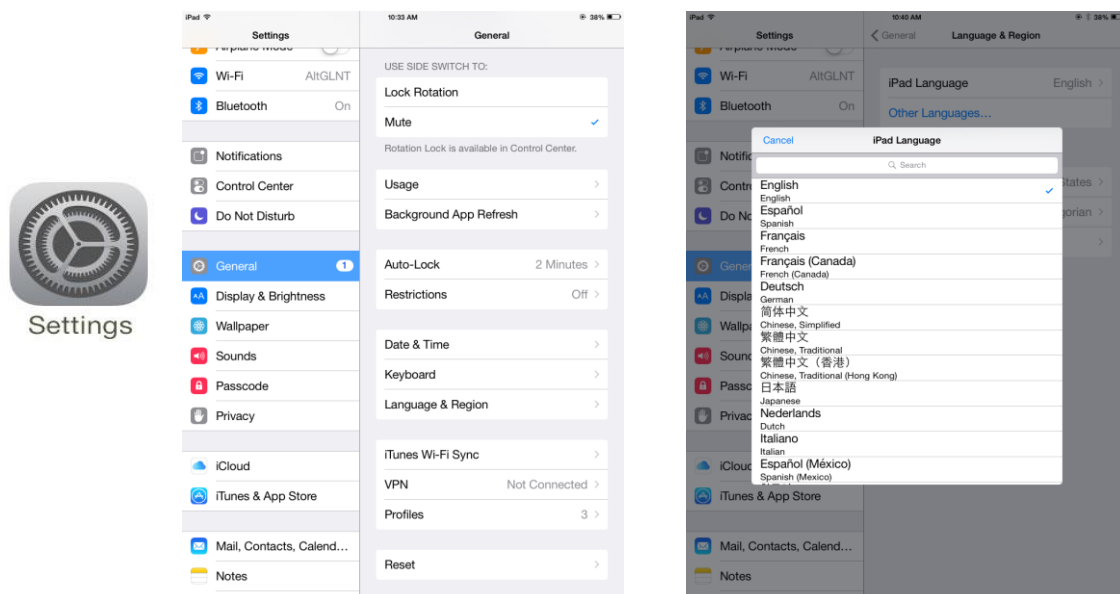


Figure 13: Language Settings

## Motor Test

Based on the loaded study definition, patients can perform a Motor Test by selecting 'my Tests' from the application home screen. During the Motor Test, the patient will be guided through a short series of motor tasks while wearing the Kinesia Sensor. Each Motor Test will consist of a setup screen instructing the patient where to position the Kinesia Sensor and Motor Tasks (Figure 14).

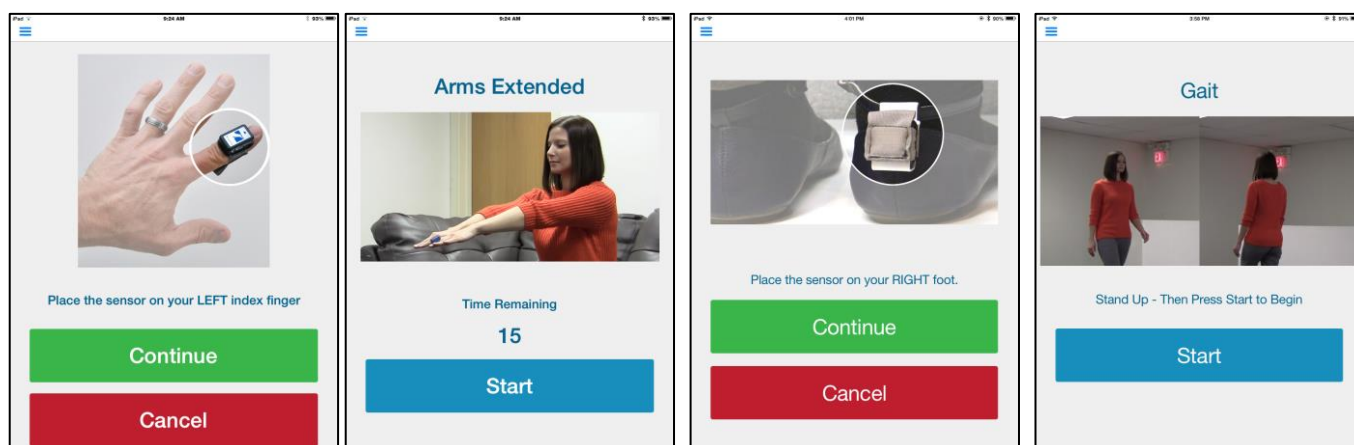


Figure 14: my Tests Setup and Task Performance





## Alarms

The tablet will alert the patient at specific times during the day to begin an evaluation based on the study definition. If the patient does not start a motor test, the alarm will repeat every minute as a reminder.

## Chapter 5: Executing a Patient Study

### ***Patient Kit Preparation***

Before sending the Patient Kit home, complete the following steps.


1. Check that all components are in the carrying case.
2. Turn on the tablet, select the  symbol in the top left and choose Pair Sensor (Figure 9). Ensure that your sensor is properly paired with the tablet, and appears in the Sensor ID field. If not, pair the sensor.
  - a. Identify the Sensor ID in the list of sensors. The sensor ID is the last 4 digits of the serial number, which is printed on the side of the sensor.
  - b. Tap the ID. The sensor becomes paired and appears in the Sensor ID field.
  - c. Select the  symbol in the top left and choose Home to return to the Home screen.
3. Transfer the study definition from the Web Application to the Tablet.
  - a. Identify the Access Code associated with the patient. Refer to “Adding a New Patient”.
  - b. At the Kinesia Tablet, open the Kinesia One application, select the  symbol in the top left and choose Load Study (Figure 8).
  - c. At the Load Study screen, enter the Access Code and tap ‘Load Study Definition’. Study Definition information is displayed at the bottom of the screen (Figure 10).
  - d. Select the  symbol in the top left and choose Home to return to the display of the Home screen and prepare for patient use.
  - e. To verify that the correct study has been loaded, confirm the Patient ID at the bottom center of the home screen.

### ***Patient Assembly At Home***

The Kinesia One system will be sent home with patients in an easily accessible carrying case. The patient should adhere to the following instructions for home assembly and use:

1. Remove the Tablet and case and position the tablet in a portrait position.
2. Power the Charge Pad using the provided black USB cable and AC power adapter.
3. Place the Kinesia Sensor in the center of the Charge Pad with the ‘Kinesia’ label face down.
4. Press and hold the Tablet power button down (top right) until the Tablet powers on.
5. Launch the Kinesia One app from the bottom of the Tablet home screen.

**Note:** The Tablet can be charged using the white USB cable and AC power adapter.

 *To avoid tripping over the power cord, patients should place the Kinesia One system somewhere that the electrical cord for the Tablet is out of the way of walking paths.*

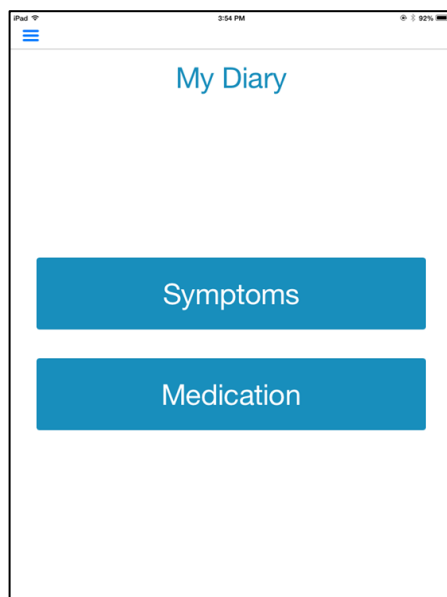
## ***Patient Use At Home***

Patients can perform an assessment by selecting 'my Tests' from the application home screen. During the motor test, the patient will be guided through the motor tasks while wearing the Kinesia Sensor.

1. After selecting 'my Tests' from the home screen, the patient will be instructed how and where to attach the Kinesia Sensor (Figure 14).
2. The patient will perform the motor task specified on subsequent screens once the 'Start' button is pressed and the 15 second countdown timer begins (Figure 14).
3. Based on the study definition, alarms on the Tablet will instruct patients when to perform motor tasks. Alarms will continue until the patient selects 'my Tests' from the home screen.
4. If no alarms were programmed, patients can press 'my Tests' to manually initiate a motor assessment at any time.

## ***Diary Entries***

Either of two types of diary entries can be made: Symptom and Medication (Figure 15). Both are initiated by pressing My Diary on the main screen.



**Figure 15. My Diary options**

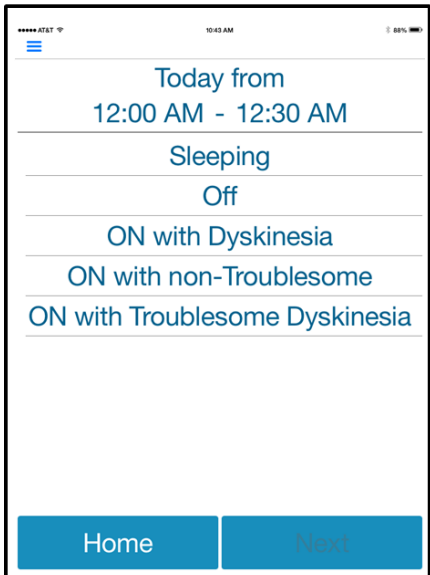
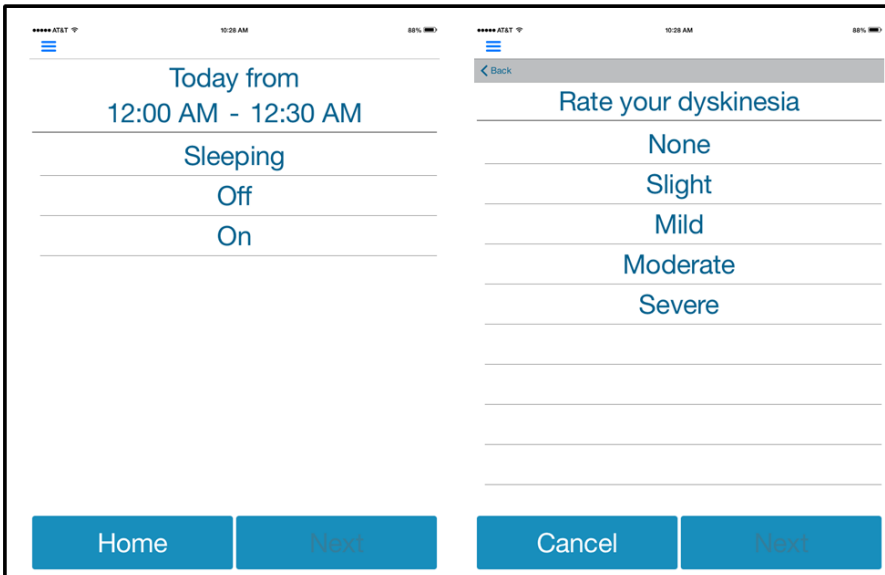
### **Symptom Diary**

If a Dyskinesia Diary has been defined for the study, pressing Symptoms displays a screen that allows the patient to rate his/her dyskinesia at 30-minute intervals during the day. Refer to Figure 16.

**Note:** The specific diary options will be based upon which type of diary was selected in the study definition on the web app.

The first time the diary is accessed, the patient begins rating at the 12:00am-12:30am interval for the current day. Press the desired rating and then press Next. The next 30-minute interval rating is automatically requested, and rating continues until the current time is reached.

The Home button can be pressed to exit rating at any time. However, rating automatically resumes upon subsequent diary access that day, beginning with rating after the last interval entered.

Standard	Modified
 <p>The Standard screen shows a list of rating options: "Today from 12:00 AM - 12:30 AM", "Sleeping", "Off", "ON with Dyskinesia", "ON with non-Troublesome", and "ON with Troublesome Dyskinesia". At the bottom are "Home" and "Next" buttons.</p>	 <p>The Modified screen shows a "Back" button at the top, followed by the same rating options as the Standard screen. At the bottom are "Home", "Next", "Cancel", and "Next" buttons.</p>

**Figure 16. Dyskinesia Diary – Initial Interval Rating**

**Note:** Interval rating is limited to the current 24-hour day. Once 12:00am on the next calendar day occurs, interval rating begins again at the 12:00am – 12:30am interval for the current day. Ratings from previous days are retained and archived with the study.

## Medication Diary

If a Medication diary has been defined for the system, pressing my Meds displays a screen a list of the defined medications. Selecting one of the medications displays a screen with an adjustable clock setting, that allows the patient to enter the time of day specified medications were taken. Refer to Figure 17.

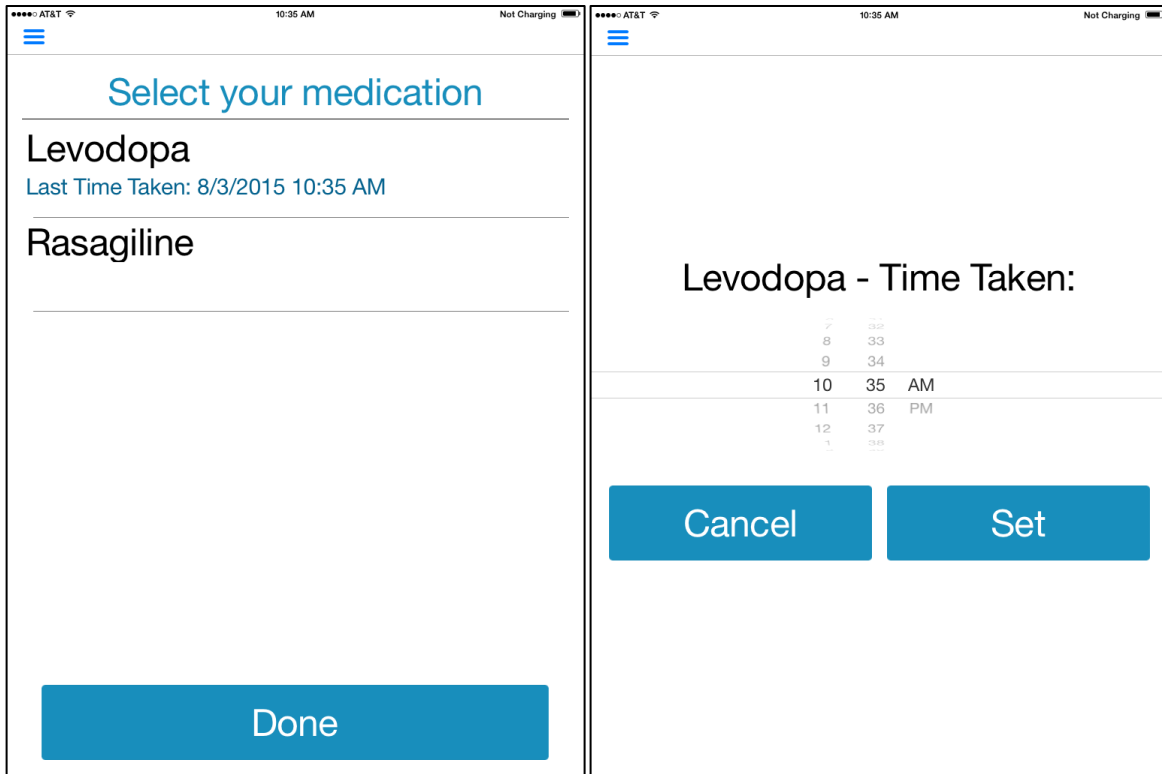


Figure 17. Medication Diary

## Chapter 6: Study Definition and Data Transfer

### Transfer Patient Data to Web Application

At the completion of each motor task, the application will attempt to upload the patient data to the Web Application. If network connection via WiFi or mobile broadband is not available, the application will continue to retry.

**Note:** It is highly recommended that patients do NOT turn their tablet off after each use. This could delay the upload of data to the Kinesia Web Application.

## Chapter 7: View Study Reports

Once patient data has been uploaded from the Tablet, log in to the Web Application. Press the 'Studies' button on the top of the screen. Navigate to the report based on the patient name, ID, and study start date. Select 'Archived Report' or 'New Report Ready'. Each report will consist of three main features:

1. **Motor Trends** displays time stamped motor scores based on the patient data recorded by the Kinesia Sensor. Motor tasks will display 0 (green) to 4 (red) color-coded scores corresponding to no and high symptom severity, respectively (Figure 18).

**Note:** In addition to the speed, amplitude, and rhythm severity scores for the finger taps task, the number of taps is also calculated and displayed ("Finger Taps Count"). This column is not color coded.

2. **Diary Trends** displays the responses entered by the patient into the Dyskinesia diary.
3. **Interpret** allows the clinician to enter his or her interpretation of the study results and the follow-up recommendation. Furthermore, any Notes saved on the Summary screen when creating a study will appear on this tab or can be entered at this time. Select 'Save' to add the entered text into the final report. Selecting 'Save' again will overwrite the interpretation and recommendation.

### Export Study Reports

To create a PDF or XLSX of a report, select either PDF or Excel on the 'Download Report' button on the left side of the motor report screen.

Welcome admin | Log Out | Contact | Institutions: Cleveland

Overview | Telemed | Patients | Studies | Upload | Admin

Patient ID: | Last Name: Doe | First Name: John

**Motor Trends**

Diary Trends

Interpret

Download Report: PDF Excel

**Make Selections For Motor Map View**

Side

☐ Left

☒ Right

☐ Average

☐ Side-By-Side

Dates (Ctrl-click to make multiple selections)

Select All Dates

12/12/2013

☐ All

**Tremor**

☐ Rest

☐ Postural

☐ Kinetic

**Finger Taps**

☐ Speed

☐ Amplitude

☐ Rhythm

**Hand Movements**

☐ Speed

☐ Amplitude

☐ Rhythm

**Rapid Alternating Movements**

☐ Speed

☐ Amplitude

☐ Rhythm

**Lower Extremity Movements**

☐ Toe Taps

☐ Leg Lifts

**Gait**

☐ Gait

☐ Freezing Of Gait

**Dyskinesia**

☐ Dyskinesia





**Figure 18: Web Application Study Report**

## Chapter 8: Frequently Asked Questions (FAQs)


Q. I continue to receive an error message when attempting to load a study definition.

A. Ensure the wifi or mobile broadband is enabled. If both wireless connections are enabled and you are still unable to login, contact a GLNT administrator at 1.855.GLNeuro (1.855.456.3876).

Q. When I attempt to create a new study definition for a patient, I am automatically redirected to an old study definition I had begun setting up but not yet finished.

A. Only one study can be in the 'Setup Study' status for a patient at a time. You are redirected to an old study that had not been finished as a result of this functionality.

Q I hear an alarm, but I don't see the My Test button.

A. The audio alarm means that a motor test should be performed. If you are not on the Home Screen of the Patient Application, tap the  symbol in the top left and choose Home. If the Patient Application was minimized, select the Kinesia One icon to reopen from the tablet home screen.

Q During my test, the message "Connection Lost" appeared and I could not finish my test.

A1. The sensor failed to collect data for your study. Return to the Home screen, tap My Tests, and begin the assessment again. If this issue occurs several times, please contact GLNT support.

A2. The sensor battery may have died which can be confirmed by viewing the LED on the sensor. If the LED is not blinking, place the sensor on the charge pad for at least 20 minutes before starting the next motor assessment

Q. When I press 'my Tests' I am unable to initiate a motor assessment.

A1. Check that the sensor is on and charged. To do this, place the sensor on the charge pad with the white label facing down (Figure 3). Make sure you hear a 'beep', and then remove the sensor. When the sensor is off the charge pad, the LED on the sensor should be blinking.

A2. If the sensor LED is not blinking, it is likely that the battery has died. Place the sensor on the charge pad for at least 20 minutes to charge before starting a motor assessment. To mitigate this issue, it is recommended that the sensor be placed on the charge pad at all times when not in use.

Q. I have placed the motion sensor on the charge pad but I do not hear a beep.

A1. Ensure that the sensor is being placed on the correct side of the charge pad. When the correct side of the charge pad is facing up, you will see a rectangle shape and logo similar to that on the Kinesia Sensor.

A2. Ensure that the sensor is placed on the charge pad with the white label facing down. The white label on the Kinesia Sensor should be in contact with the rectangular white label on the charge pad.

A3. Verify that the charge pad is receiving power. If it is, you will see a blue LED on the front. If you do not see this, check the connection of the cable on the charge pad and on the AC adapter that is plugged in to an outlet. Make sure both ends are securely connected.

Q. I know the patient has completed motor assessments but there is no data on the Web Application.

A1. If the patient turns off the tablet after completing the motor assessments this may delay data upload to the clinician web application. Contact the patient to ensure the tablet is on.

A2. Ensure that WiFi is connected or that there is a mobile broadband connection.

Q1. I am unable to log in to the Web Application.

A1. If you have forgotten your username and/or password, please contact GLNT support.

A2. If multiple login attempts occur with an incorrect password, the system will automatically lock your account. Contact GLNT support to resolve.