BioMech Lab™

QUICK START
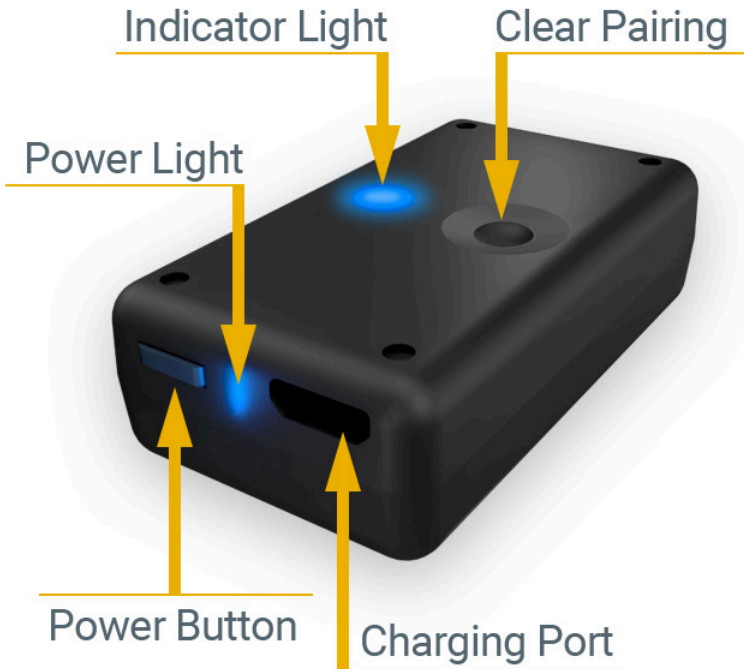# GUIDE

TABLE of CONTENTS

SYSTEM STARTUP

SENSOR STARTUP

Indicator Light   Clear Pairing

Power Light

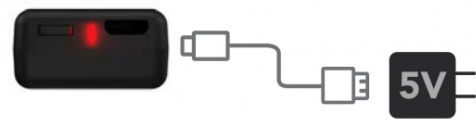Power Button   Charging Port

INDICATOR LIGHT COLORS:

- **ORANGE FLASHING LIGHT:**
  Sensor is calibrating

- **BLUE FLASHING LIGHT:**
  Sensor is calibrated

- **GREEN FLASHING LIGHT:**
  Sensor is assigned to test

- **RED FLASHING LIGHT:**
  Sensor battery level is below 10%

STEP 1 - CHARGE SENSOR
- Connect sensor(s) to the provided charging cord and any 5V USB power adapter.
- Power light is RED while charging.

Charging light will shut off when complete

STEP 2 - POWER SENSOR ON
- PRESS the power button to turn the sensor on.
- Light will FLASH alternating YELLOW/ORANGE.

STEP 3 - CALIBRATE SENSOR
- Light will turn BLUE when auto-calibration is complete.

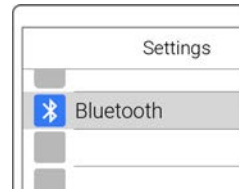*NOTE: IF SENSOR CONTINUES TO FLASH YELLOW/ORANGE, WAVE SENSOR IN A FIGURE 8 MOTION.*

PAIR SENSOR

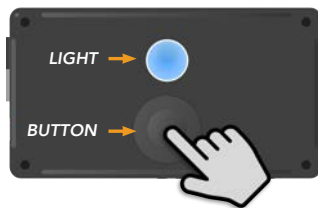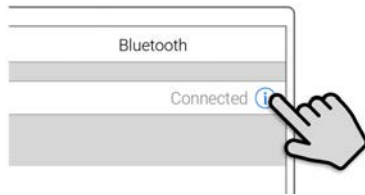### STEP 4 - PAIR SENSOR TO DEVICE
- Go to Settings/Bluetooth on your iOS device.
- Turn on Bluetooth.
- Select "BioMech-XXXX"
- Select "ALLOW" when prompted.
  Your device is now paired with your sensor.

The sensor ID name is located on bottom of the sensor

NEED TO PAIR SENSOR TO ANOTHER DEVICE?

UNPAIR SENSOR

UNPAIR BLUETOOTH
- Go to Settings/Bluetooth on the iOS device paired with the sensor.
- Tap ⓘ next to the corresponding sensor.
- Tap "Forget This Device"

RESET SENSOR
- Press and HOLD Clear Pairing button on top of sensor while turning sensor ON.
- Continue holding Clear Pairing button until sensor light begins FLASHING BLUE/WHITE.
- Follow steps to pair sensor to device
  (device must have BioMech Lab pre-installed).

SENSOR ATTACHMENT

To facilitate optimal data capture it is imperative sensors are securely attached, NOT over loose clothing, to minimize shifting or movement. Attach sensor consistently in the same spot for all assigned locations.

SENSOR ATTACHMENT METHODS
- BioMech skin-safe, single-use, double-sided tape that attaches to the back of the sensor and is placed directly on the skin. (BioMech provides a starter box of tape with each subscription. Refills are available for purchase).

- BioMech sensor clips that attach to a stable waistband for Gait tests. (BioMech provides three clips with each subscription. Additional clips are available for purchase).

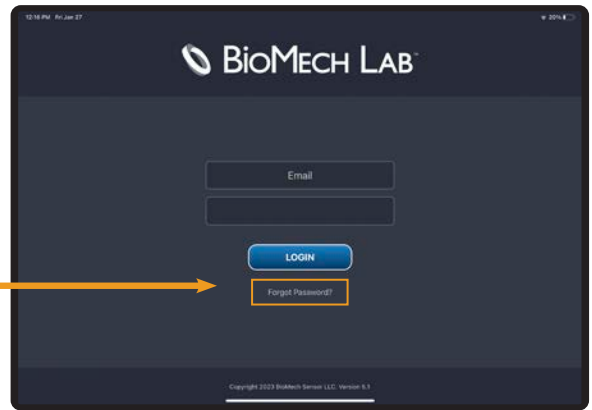- Traditional attachment methods such as tape or bandages.

SOFTWARE NAVIGATION

LOGIN

Log into BioMech Lab with the username provided by BioMech.

NOTE: TAP FORGOT PASSWORD TO RESET OR CHANGE YOUR PASSWORD FOR SECURITY REASONS.

HOME

BioMech Lab testing is patient-centric. To begin testing, retrieve results and run reports select an existing patient or add a patient to the directory.

NOTE: LAB AT HOME PATIENT ACCOUNTS AUTOMATICALLY OPEN TO THEIR TEST OPTIONS.

CREATE NEW PATIENT
If the patient is not in the Patient Directory, create a new patient.

EXISTING PATIENT
Select a patient in the Patient Directory.

APPLICATION DATA
BioMech Lab user and version reference.

LOGOUT
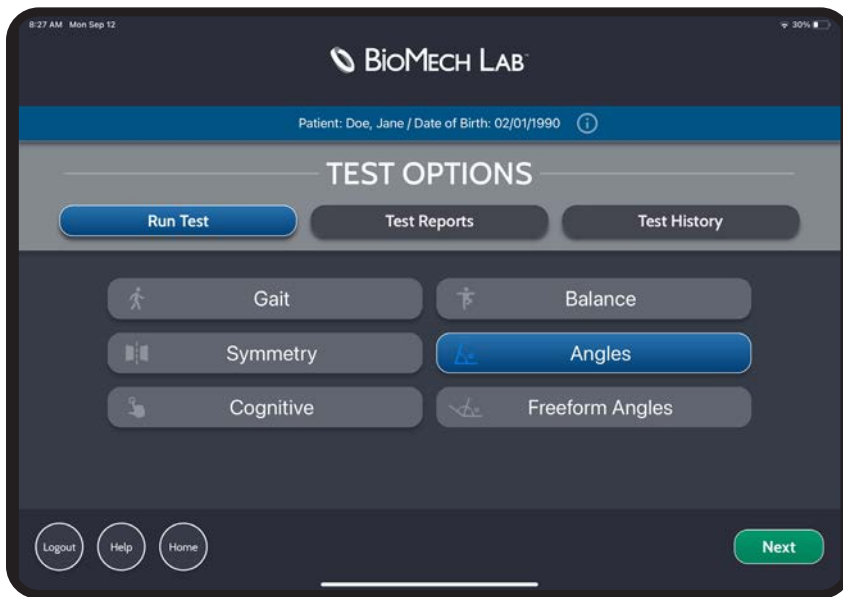Sign out of the BioMech Lab app.

HELP OPTIONS

SUPPORT
Submit a ticket for assistance or to provide feedback.

USER GUIDE
Access manuals and frequently asked questions.

TEST OPTIONS

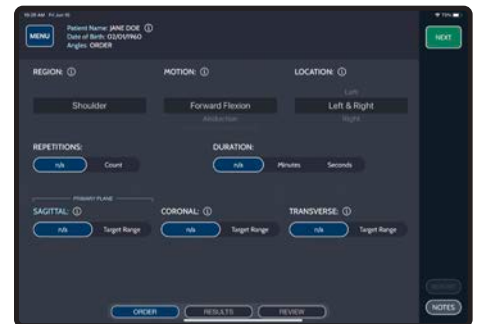← Select appropriate task.

← Select the test category.

← Step 3: Tap **NEXT**.

RUN TEST
Define and perform tests.

ORDER | RESULTS | REVIEW
Set the appropriate test criteria, execute the test, review the results and access past tests.
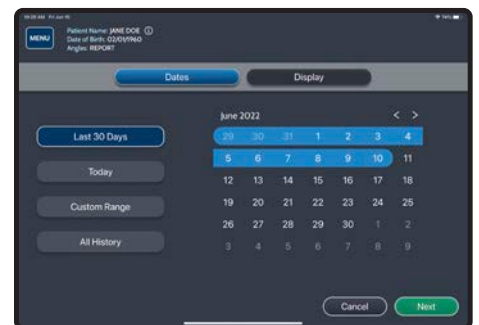

TEST REPORTS
Generate test reports.

REPORT SETUP CRITERIA
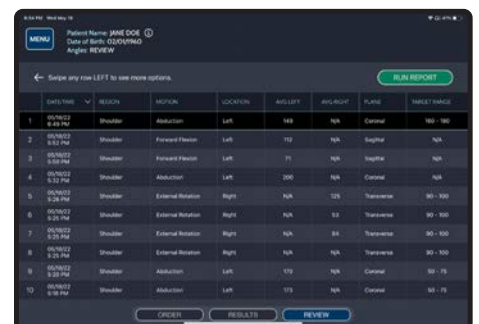Set the appropriate filters to run the report.

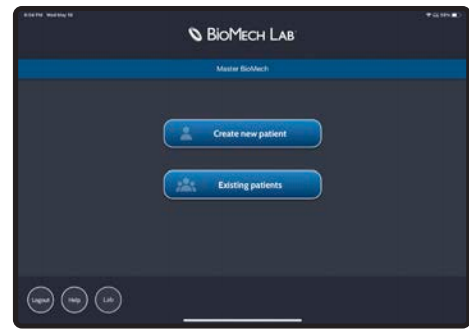## TEST HISTORY
Access past tests.

SORT CRITERIA
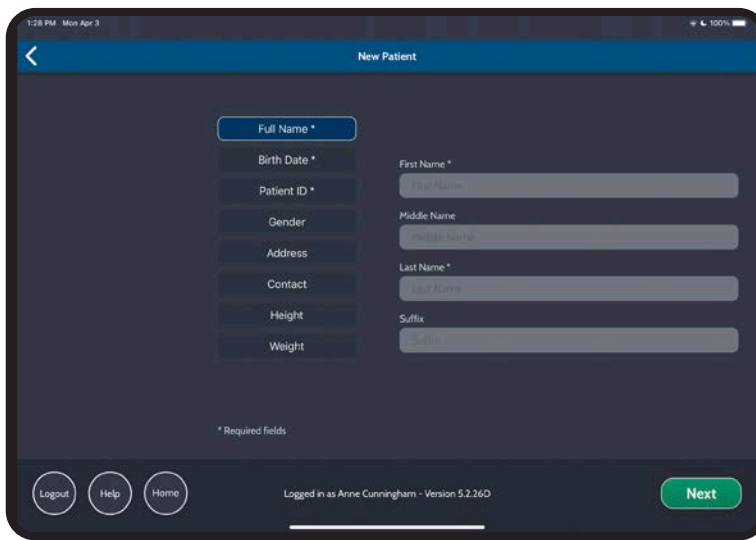Tap the table headers to organize the test list.

PATIENT SELECTION

CREATE NEW PATIENT

[👤 Create new patient]

STEP 1 - SELECT CREATE NEW PATIENT
Tap to access the New Patient Form.

STEP 2
ENTER PATIENT INFORMATION
First Name, Last Name, Birth Date and Patient ID are required. Other fields are optional.

[Next]

STEP 3
Tap NEXT when finished.
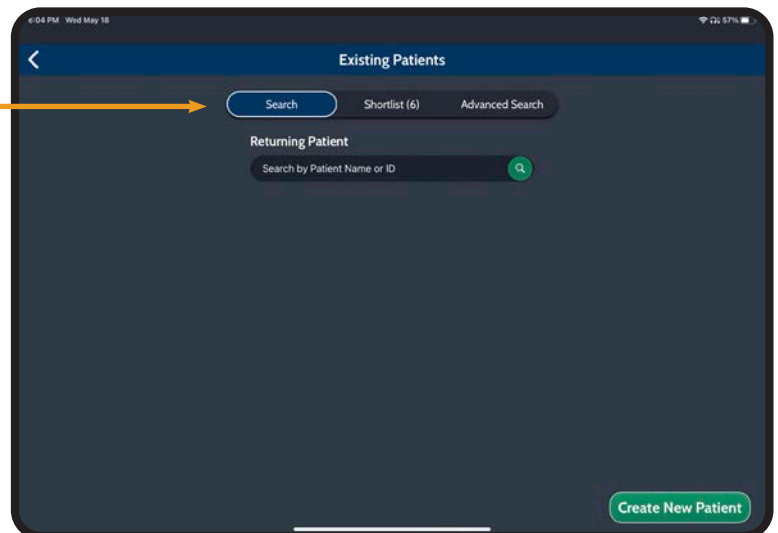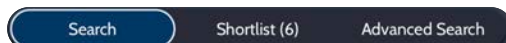
EXISTING PATIENT

[👥 Existing patients]

Tap EXISTING PATIENTS to access the Patient Directory.

SEARCH
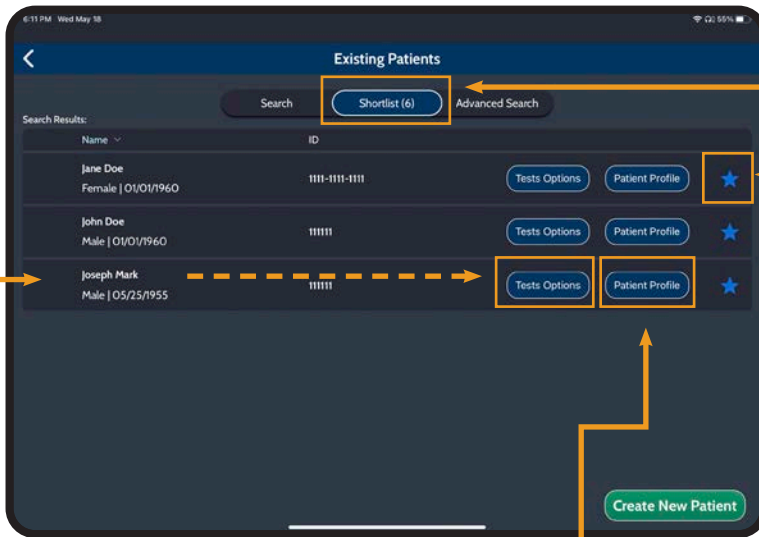Use the search tools to find and select an existing patient.

[Search | Shortlist (6) | Advanced Search]

EXISTING PATIENT (CONTINUED)

TEST OPTIONS

Tests Options

Tap to access test options:
RUN TEST, TEST REPORTS &
TEST HISTORY.

SHORTLIST

Shortlist (6)

Tap the ⭐ associated
with a patient to add
them to the SHORTLIST;
the star will turn blue. To
remove a patient from
SHORTLIST tap the blue
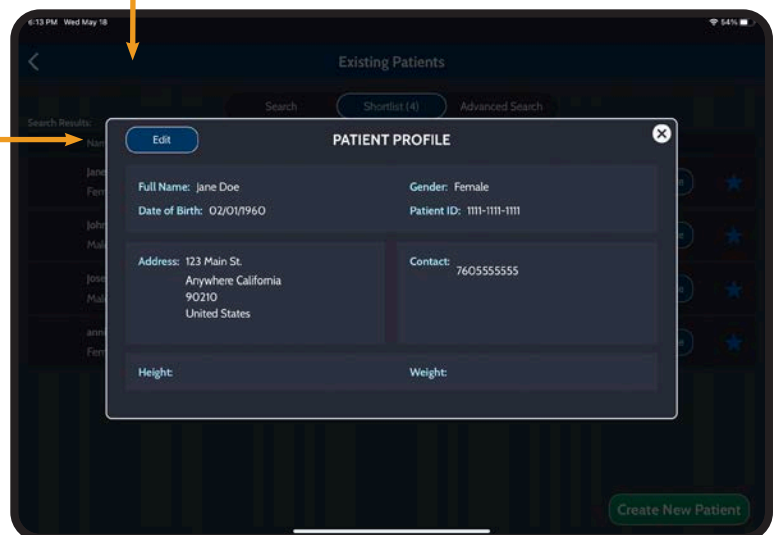star; it will turn to a white
outline.

PATIENT PROFILE

Patient Profile
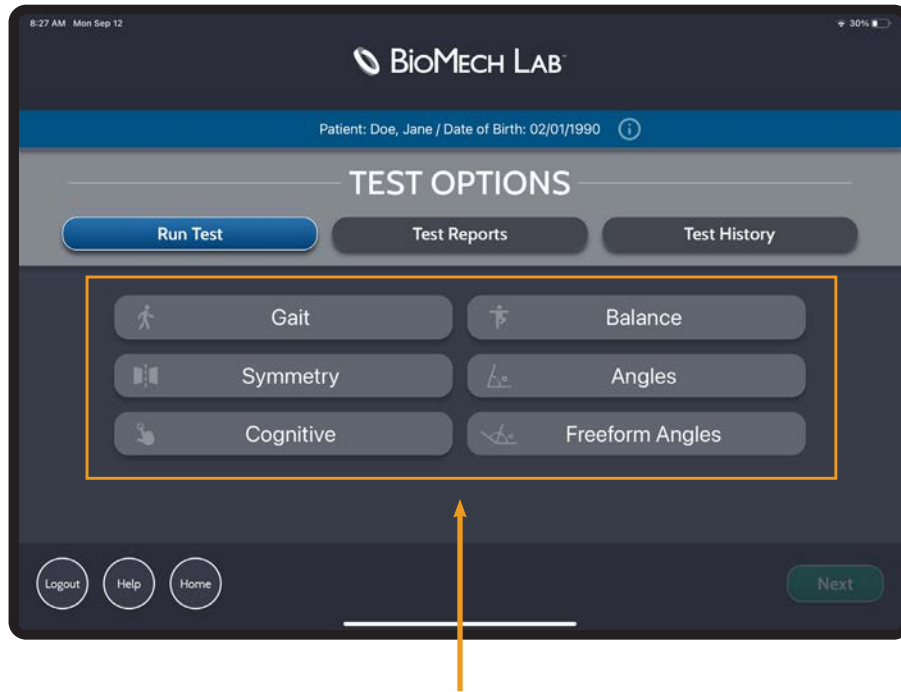
Tap to view patient
information.

EDIT PATIENT PROFILE

Edit

Tap to edit patient
information.

TESTING

TEST MENU

Evaluate Critical Properties of Motion in Real Time

GAIT	BALANCE	SYMMETRY	ANGLES	COGNITIVE
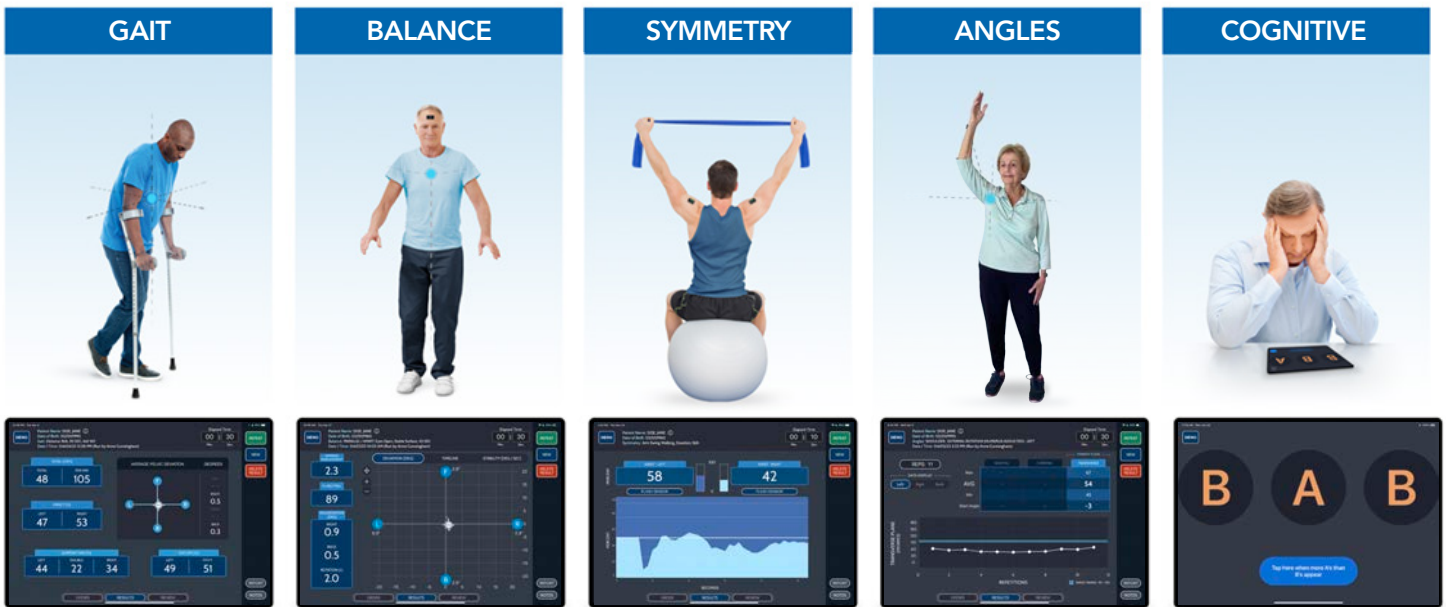
TEST WORKFLOW

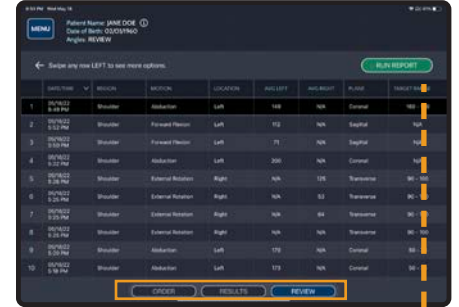## ORDER
Define test parameters.
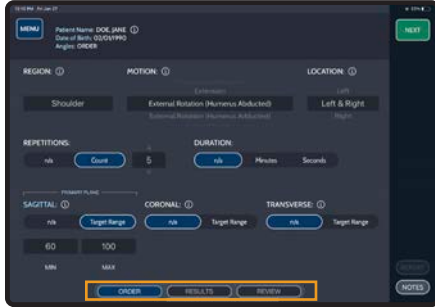
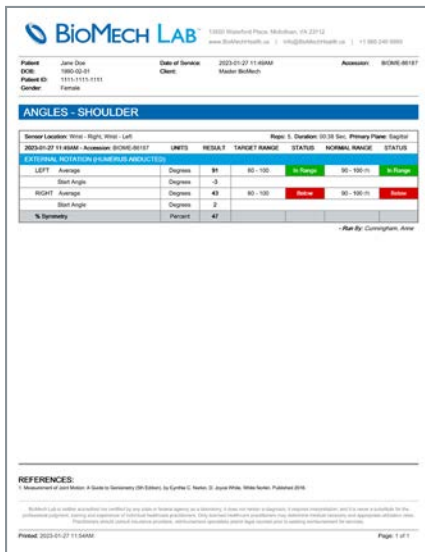## RESULTS
Run test and view results.

REVIEW
Review previous test.

INDIVIDUAL REPORTS
Generate single test report.

CUMULATIVE REPORTS
Generate multiple test reports.

TEST CONTROLS

ELAPSED TIME
Displays test clock. If duration is specified, the test will stop once the duration is reached.

START/STOP
Make sure the patient is in the desired starting position prior to pressing START. Tap START to begin a test. START displays when not recording; STOP displays while a test is being performed.

Tap STOP to stop/pause a test.

TIP: LONG-PRESS START TO INITIATE 5 SECOND TIMER.

WATCH MOTION DEMO
View a simulation for selected motion (Availalbe in Angles only).

ASSIGN SENSOR(S)
Sensor(s) must be assigned to enable the Start button.
(Instructions on following page)

REPEAT
Tap REPEAT to perform a new test with the same criteria.

NEW
Tap NEW to return to ORDER to set up a new test.

INCOMPLETE
If a duration was set for the test and the test was stopped early, the test will be marked as incomplete. A dialog box containing possible reasons will appear. Select a listed reason or tap the X to close.

REPORT
Tap REPORT to generate a detailed PDF report for the displayed test.

NOTES
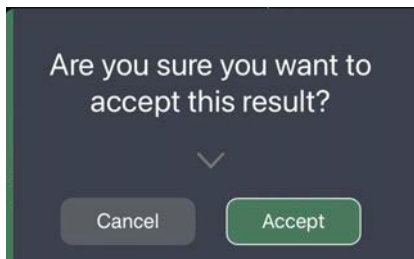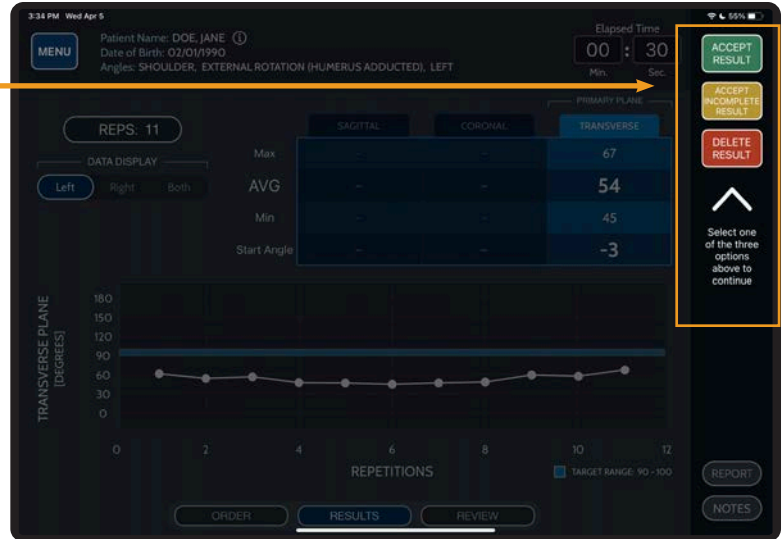Tap NOTES to add/edit test notes. Multiple notes may be saved to a test.
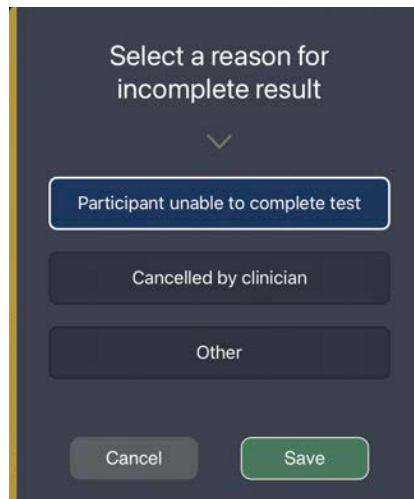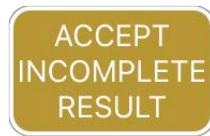
ACCEPT OR DELETE TEST RESULT

VERIFY RESULTS

Upon completion of a test, ACCEPT RESULT, ACCEPT INCOMPLETE RESULT or DELETE RESULT.

NOTE: A DECISION MUST BE MADE TO CONTINUE.

ACCEPTED RESULTS will be available within the application and via the web portal for review and reporting.

ACCEPTED INCOMPLETE RESULTS indicates a test was attempted, not completed and the reason. These results will be available within the application and via the web portal for review and reporting.
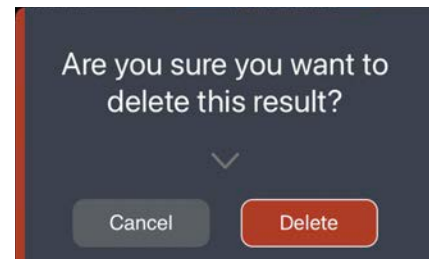
DELETED RESULTS will be discarded from the application but will be accessible via the web portal if needed.

ASSIGNING SENSOR(S) TO TESTS


SENSOR DIALOG BOX

Assign Sensor — Tap ASSIGN SENSOR to view available sensors and assign locations.

BM-3F39 WRIST-LEFT — Once assigned, the Sensor Button will be GREEN and list the Sensor's assigned location.

NOTE: A SENSOR WILL BE ASSIGNED AUTOMATICALLY IF ONLY ONE SENSOR IS PAIRED AND THE TEST ONLY REQUIRES ONE SENSOR.

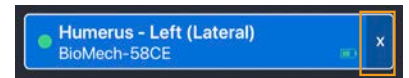## ASSIGN AVAILABLE SENSORS TO LOCATIONS

DRAG AND DROP an available sensor to the preferred location, or tap desired sensor and then tap preferred location.

Tap **Done** once required sensors have been assigned.
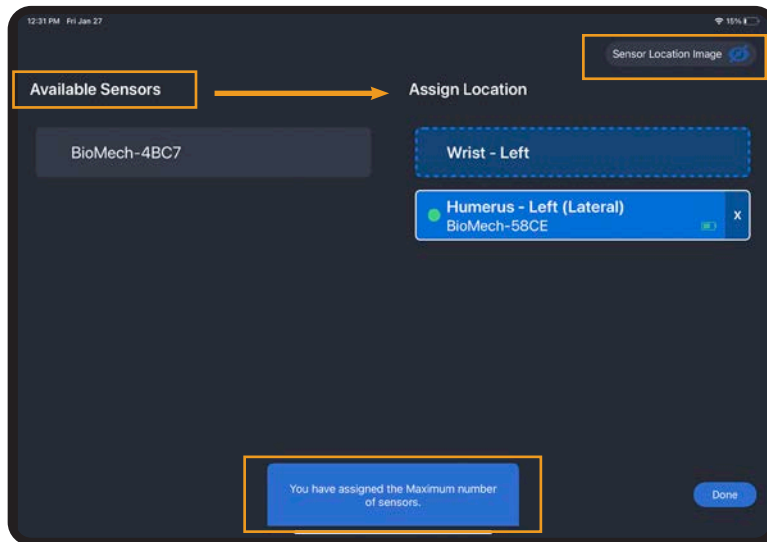
SHOW/HIDE LOCATION IMAGE
Tap Sensor Location Image to show/hide an image detailing correct placement for the selected location.

UNASSIGN SENSOR
Tap the X to unassign a sensor. The sensor will then appear in the list of Available Sensors to assign to a location.
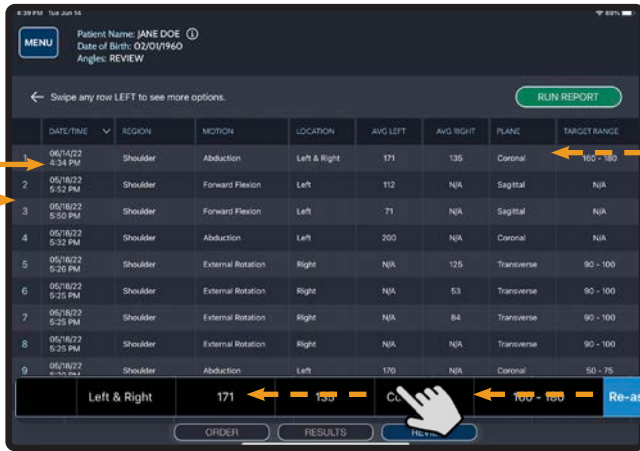
REQUIRED SENSORS
Identifies the number of sensors needed for the specific test.

REPORTING

SORT & FILTER Tap headers to sort/filter test list.

SWIPE LEFT
Swipe a row LEFT to reveal options:

- **Re-assign** test to another patient
- **Notes** can be added to the test
- **Report** the individual test
- **View** the test results
- **Delete** the test

TEST DETAILS Metrics for each test performed are listed. DOUBLE TAP a row to view the results.
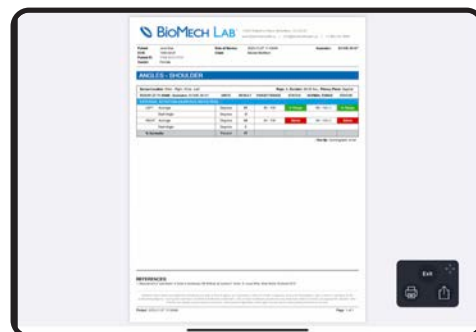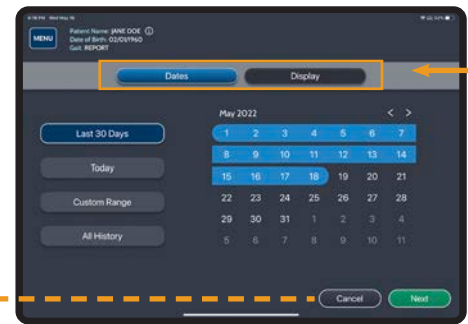
RUN SINGLE TEST REPORT

- **From Review** Swipe test row LEFT and tap REPORT to generate a report for a specific test.

- **From Results** Tap **REPORT**

RUN MULTI-TEST REPORT

Tap to generate test reports for all tests. The Report Filter dialog box will appear. Select a date range and data to display.
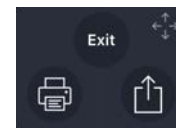

EXIT
Tap EXIT to close report and return to Test Review.

SHARE
Tap SHARE and choose an option for sharing.

PRINT
Tap to print to an AirPrint-enabled printer.

SUPPORT

CUSTOMER SUPPORT

ONLINE
Access help tools through Main Menu > Help

CLIENT ADMINISTRATOR
The Clinical/Site Admin is the primary support for data collection issues within the organization. If additional support is needed please contact your organization's designated BioMech administrator for assistance.

BIOMECH CONTACTS

CUSTOMER SUPPORT
BIOMECH: (866) 246-9999
EMAIL: support@BioMechHealth.us

Telephone and email response within 24 hours Monday through Friday 8:30 a.m. – 4:30 p.m. Eastern Time.

SENSOR CARE

- The sensors can be cleaned with rubbing alcohol or alcohol wipe.
- Do not immerse the sensor in any liquids.
- Turn the sensor off when not in use.
- Do not disassemble the sensor.
- Do not use or leave the sensor near a heat source.
- Use only UL Listed or CE Approved or equivalent 5V USB chargers.

BioMech™ HEALTH

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