Using The HESS Quantitative Blood Loss App

Healthcare Education Simulation Station

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PLEASE READ

DISCLAIMER

The information in the HESS is not intended or implied to be a substitute for professional medical expertise, advice, diagnosis or treatment.

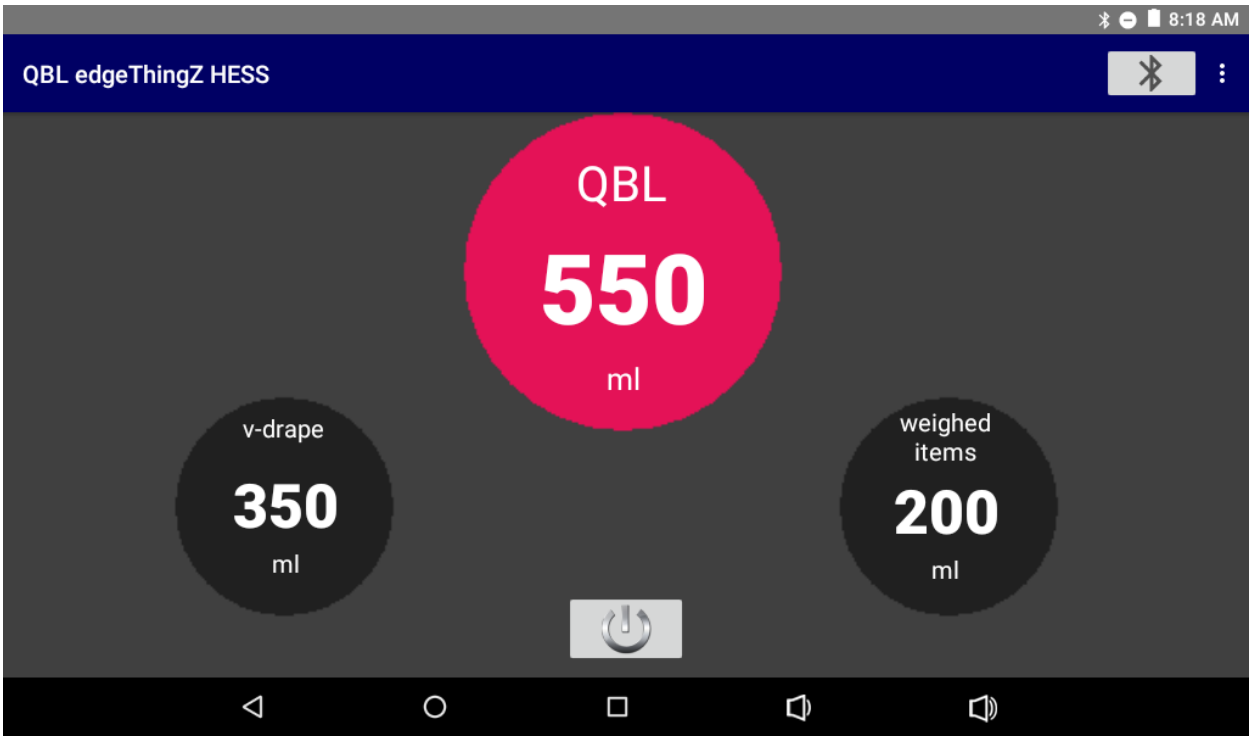
There is no representation and no responsibility for the accuracy of information contained within the HESS.

The HESS is only intended to be used as an instructional aide by qualified medical educational professionals.

About The HESS Quantitative Blood Loss (QBL) App

The HESS QBL App was created to let healthcare professionals conduct learning exercises that involve a simulated QBL monitor in a safe and “low stakes” environment.

The QBL App can be used to simulate Quantitative Blood Loss vitals on both Manikins and Standardized Patients (actors) in an OB oriented learning exercise.



Tablets Suitable To Run The HESS QBL App

The HESS QBL App can run on Android tablets with Version 8 or above of the Android operating system and with a screen size of at least 7 inches.

Android tablets with screen sizes smaller than 7 inches may not display the QBL App screen elements correctly.

The QBL App can be run on larger screen sizes if the educational exercise dictates using a larger tablet – such as displaying the QBL App screen on a monitor or projector.

HESS Vitals Accepted By The HESS QBL App

The HESS QBL App will recognize and use the following vitals transmitted from the HESS Instructor tablet.

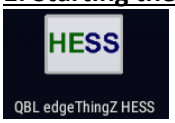
1. Quantitative Blood Loss Vitals

The Quantitative Blood Loss Vitals that the QBL App recognizes and uses are the QBL Weighed Items (ml or g) and the QBL V-Drape (ml).

If the “Hide V-Drape” option is set to “Yes” in the QBL App Settings, only the QBL Weighed Items (ml or g) Vital will be used.

Using The HESS QBL App

1. Starting the QBL App



The HESS QBL App can be started by touching the HESS QBL App icon on the Android tablet.

2. Starting the QBL Vitals Display

AFTER the QBL Vitals have been transmitted successfully from the HESS Instructor App, the “power” button can be used to display the QBL Vitals.

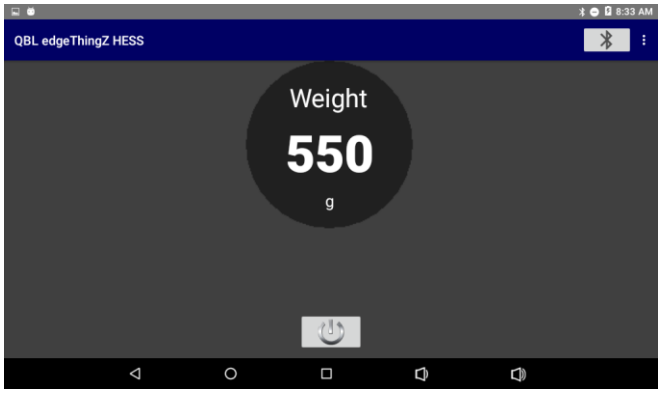
The “power” button must be pressed again to “re-weigh” in order to see any changes to the QBL Vitals.

HESS QBL App Settings

The HESS QBL App has the following Settings available via the Android “3 dots menu” in the upper right corner of the QBL App screen:

1. Hide V-Drape

Displays only the Total Weight (g) to simulate a general digital scale that does not involve a separately measured V-Drape volume. If this option is “Yes”, only the QBL Weighed Items Vital is used.



2. Delay Display After Button Press

Sets a delay of between 0-15 seconds after the user presses the power button before displaying the Vitals to simulate the “reading” time of the device.

3. Device Address

The QBL App receiving address for the Vitals – which must match the transmission address for the Vitals in the HESS Instructor App. Device Addresses are 4 characters made up of the characters 0-9 and A-F. **DO NOT USE** “0000” or “FFFF” as Device Addresses. “0000” and “FFFF” have special uses within the HESS. Using these special Device Addresses can cause unpredictable results.

HESS QBL App Usage Notes

1. Bluetooth Reset Button

If, after numerous attempts, the QBL App is still not receiving Vitals transmissions – even though the Instructor transmission and the Device receiving addresses match – the "Bluetooth Reset" button in the upper right corner of the screen can be used to reset the Android tablet's Bluetooth functions. This often will resolve Bluetooth oriented issues without having to stop or disrupt the app.

2. When Done, "Power Off" Tablets – Don't Just "Suspend" Them

The Android tablets should be completely "powered off" when stored or the battery will drain to 0% charge. Completely drained batteries can then take 20-30 minutes of charging just to get the tablet to power up for usage. Even if the tablet screen is dark it can be misleading because the tablet may only be "suspended". Pressing the power button for ½ second will indicate if the tablet is completely powered off – by either "unsuspending" the tablet screen if the tablet is only "suspended" – or remaining dark if the tablet is completely powered off.