

Lecture #2 - Calibration Check of Mabis Medic Aneroid Device

CKiD Blood Pressure Training



Calibration Check of Mabis-Medic Aneroid

- Calibration Check should be done every year.
- Record calibration checkpoints on BP Calibration Check Form.
- In order to calibrate device, sites must have:
 - Mercury Sphygmomanometer
 - “Y” Connector
(Y-tubes can be purchased from your local Medical Equipment Supplier/Vendor.)
 - Inflation bulb and valve attached.



Calibration Checks cont'd

- Site unable to use mercury sphygmomanometer, should send aneroid device to DCC for Calibration.
- Ship aneroid device with Calibration Check Form to:

Jeanne Charleston
C/O Johns Hopkins ProHealth
1849 Gwynn Oak Avenue, Suite
Baltimore, MD 21207
Telephone: 410-281-1138
email: jeannec@jhmi.edu

***Site must contact Jeanne Charleston, prior to shipping device.**



Calibrating Aneroid Device

To calibrate the aneroid device do the following and record the calibration checkpoints on the Calibration Check Form:

1. Connect one tube to the mercury manometer.
2. Connect the Mabis Medic's aneroid dial to the other tube. (Cuffs and bags are not used when conducting calibration checks.)
3. Slowly inflate the instruments to 250 mmHg and compare the readings.
4. They should be the same; however, a deviation of +/- 4mmHG is acceptable*.
5. Record the readings you obtain.
6. Repeat the procedure at 160 mmHg.
7. Repeat at 70 mmHg.
8. Fax completed Calibration Check Form to DCC at 410-955-7587 (Attn: KIDMAC)

***If when averaged, there is a deviation greater than +/- 4mmHG at any level, site must mail aneroid device to Jeanne Charleston with a copy of Calibration Check Form.**

