

November 1991

Release notes for Morphometry Scan on Hologic QDR-2000.

Version 7.00 Alpha

Instructions for installing and using the Morphometry Scan option are described below.

**Software Installation Procedure**

1. Place disk 1 of 1, Part Number: 0610-00229-01 in floppy disk drive A. Close the disk door.
2. Select **Utility** from main QDR menu.
3. Select **Upgrade** from Utility menu.
4. Press <Enter>.
5. When the main installation screen appears, press <Enter> to select:  
    Determine Installation Requirements.
6. When the main installation screen returns, press <Enter> to select:  
    Copy files from diskettes.
7. When the main installation screen returns, press <Enter> to select:  
    Perform Final Installation.
8. When the main installation screen returns, Press any key to exit.
9. Press <Ctrl>-<Alt>-<Del> to reboot the system.
10. If you experience any difficulty, please notify Hologic Customer Support at one of the following USA telephone numbers:  
    (800)343-9729  
    (617)890-2300  
    (617)890-8031 FAX

### Scanning Instructions for Vertebral Morphometry

1. Enter Patient Biography.
2. Select <SCAN> from the QDR-2000 main menu.
3. Select <AP/MORPHOMETRY>, set up patient as for a regular AP/Lateral scan (see manual).
4. Perform <AP SCAN>, override length of scan default by entering <18>. Make sure that the table is centered and the patient is positioned so that the start of the scan is near the center black line towards the foot of the table. This insures that the arm can travel the full 18 inches. Do not go longer than 18 inches since the scan will be too large to display. Verify that you can identify L4 on the image. Reposition the scan if you cannot see L4 or if the spine is positioned incorrectly. This scan will take five or six minutes. Since we want to collect raw data for both the AP and the lateral scan, **do not delete unprocessed data!!**
5. Analyze AP scan. Maintain default global region of interest and extend the region so that you include L4 at the bottom and all vertebrae available above. Delete all intervertebral markers and call the entire region L2. Ignore possible "Q-value out of range" messages by pressing <F4>. Do not worry about changing the bonemap at the INSERT/DELETE points step. The bonemap is only used to determine the centerline, and you can change this manually if required. Verify that centerline determination is reasonable. If the centerline is not correct, press <Alt-C> to enter a mode that allows moving the centerline. When the centerline is correctly placed, press <End>.
6. Perform <MORPHOMETRY SETUP>, tilt arm.
7. Perform <MORPHOMETRY SCAN>. Again override the default scan length, this time use 18.6 inches. This scan will take 17 or 18 minutes. **Do not delete unprocessed data!!**
8. The morphometry scan can not be analyzed so press <Esc> at the <ANALYZE, COMPARE, PROTOCOL> screen to return to the main hologic menu.
9. The following steps allow you to archive the scan to the morphometry optical data disk. Since these scans are large it is recommended that they be archived immediately and then deleted.

10. At the Hologic main menu press <Alt-F1> to exit the Hologic software.

11. Place the morphometry optical data disk in the optical drive and type

archmor <Enter>

12. At the first menu select Archive. Then select the AP and morphometry scans to be archived. When you press <Enter> to begin the archive, you will get the message:

There are unprocessed scan data in the selected scans. Press Star (\*) to archive all unprocessed scan data of selected scans. Press Plus (+) to confirm before archiving or press any other key to ignore all unprocessed scan data. Press ESC to exit ARCHIVE.

**BE SURE TO PRESS \* TO INCLUDE THE UNPROCESSED SCAN DATA SINCE COLLECTING THAT DATA IS THE WHOLE PURPOSE OF THESE SCANS.** The archive should take about four minutes due to the large amount of unprocessed data being archived. If it takes significantly less time than this, you probably did not press \*.

13. Type

MAINSTUB <Enter>

to return to the Hologic main menu.