

Version 7 Update

General

- Allow the user to enter capital letters other than first letter in patient surnames.
- Enable data outputs during PWA data capture. (MM3 Module Only)
- Prompt to pack the database on start-up after 90 days from last pack.
- Windows XP Compatibility

Pulse Wave Analysis (Px)

- Differentiate between peripheral and aortic for the pressure values in the report print out for the clinical screen.
- Replace Aix @ HR75 with Augmentation Index in the clinical screen.
- Display and print the Augmentation value in mmHg on the clinical screen.
- Modify the Ejection Duration normals on the clinical report screen using the values obtained from AtCor Medical's analysis of study databases. The Weissler equation used previously had a very low standard deviation whereas SphygmoCor measurements reflect a standard deviation that is almost double that of Weissler hence we shall use the following: $-1.6 * HR + 404ms$ with a 90% Confidence interval of 44ms. The previous 90% confidence interval was 19.4ms.
- Modify the SEVR normal curve by displaying the line Red from 0 – 110%, Yellow from 110% - 140% and Green over 140%. Modify the Bars to reflect these changes.
- Allow the export of PWA Analysis as jpeg graphics files.

Pulse Wave Velocity (Vx)

- Implement the new ECG algorithm for detecting R wave peaks (Morphological Filter).
- Quality Control Parameters do not display in red or green. They are always displayed in white and are therefore an indication to the quality of the signal and not a pass/fail filter. The Standard deviation to be displayed in red if it varies by more than 10% of the measurement otherwise displayed in green.
- Calculate a PWA report from a PWV pressure site if the arteries selected are either radial or carotid.
- Allow the export of PWV Reports as jpeg graphics files.
- Allow the export of PWV Analysis as jpeg graphics files.
- Allow the continuation of Data Capture from Site B when communications are lost during Site B data capture. This allows the operator to keep Site A data and not have to repeat that portion of the study.

Pulse Wave Monitoring

- Zooming hemodynamic parameters during session monitoring.
- More reliable synchronisation with the MM3 Electronics module.