

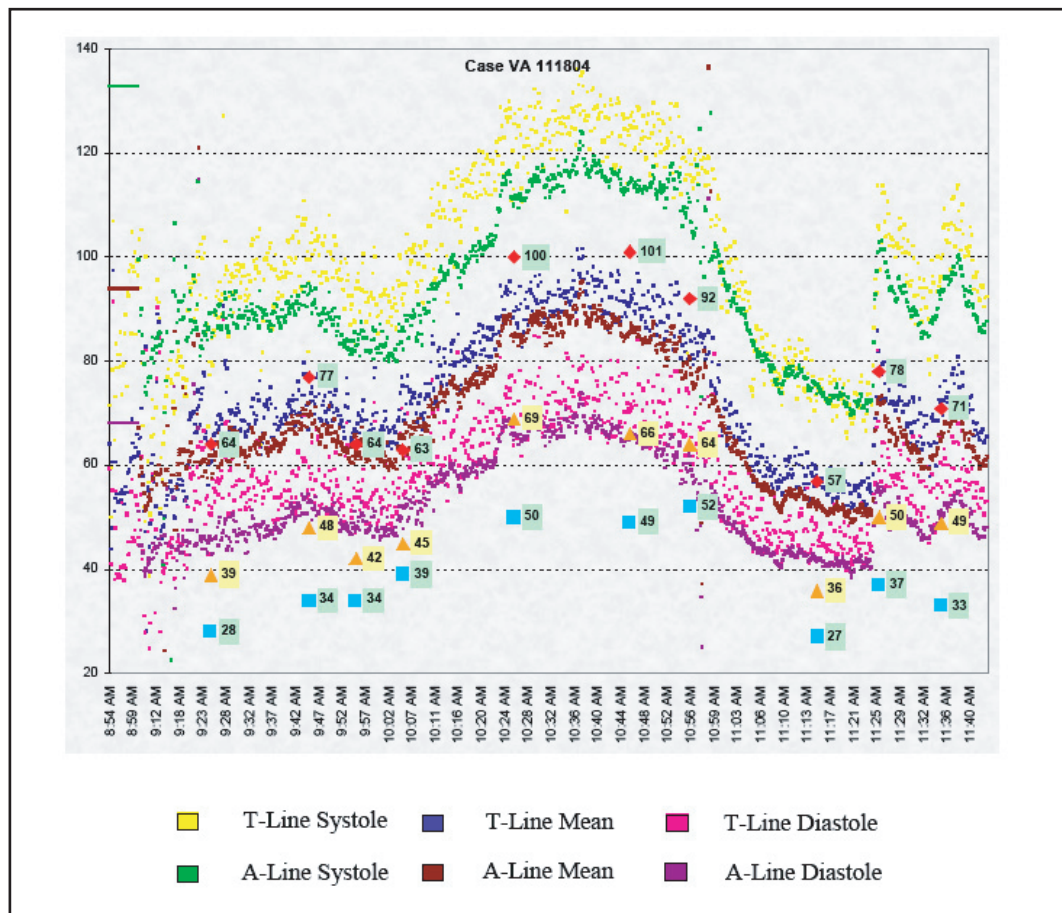


**PATIENT DETAILS:**

**Age:** 58 years old    **Sex:** Male    **Procedure:** Total Right Hip Replacement

**CASE NOTES - T-LINE, A-LINE, AND CUFF COMPARISONS:**

This is a case of a 58 year old male undergoing a right total hip replacement. Throughout the nearly 3 hours monitoring, the T-Line closely tracks the A-Line. This case dramatically illustrates the significant variation that can occur between cuff measurements and A-Line as well as T-Line measurements. At the outset, the NIBP cuff recorded value is off by 30 mmHg LOWER than either the T-Line and A-Line, and this 30 mm torr difference is seen frequently throughout the case. Had the physician used cuff values for managing the case, there is significant evidence that decision making based on these cuff measurements could lead to undesirable sequelae.



**General Comments:** The sequence of graphs represents simultaneously obtained measurements between the T-Line, A-Line and non-invasive blood pressure cuffs in a number of patients recently evaluated at several Tensys IRB sites. In each case, dot patterns represent 10 beat sequential measurements of the A-Line and T-Line.



**Tensys Medical, Inc.,**  
5825 Oberlin Drive, Suite 100, San Diego, CA 92121.3709  
1.888.722.7800 Phone 1.858.552.2094 Fax  
support@tensysmedical.com www.tensysmedical.com  
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