

# **Research on the operation, maintenance, and troubleshooting procedures for the B40i patient monitor.**

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**Abstract:** In the context of increasingly advanced healthcare with many advanced patient monitoring devices such as the B40i monitor, this study focuses on analyzing the operation, maintenance, and troubleshooting processes of these systems. The objective is to identify challenges and opportunities in the operation process to improve device performance and reliability. The methodology includes both theoretical and experimental evaluation, aiming to develop practical guidelines for technicians. The expected results of this study will help enhance the quality of medical services while minimizing equipment maintenance costs.

**Keywords:** Medical equipment maintenance, Operational process analysis, B40i patient monitor