



Wearable Tech in Post-Operative Recovery Monitoring in Libyan Hospitals: Satisfaction and Readmission Analysis

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Published: 13 April 2008 | **Received:** 24 November 2007 | **Accepted:** 20 March 2008

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DOI: [10.5281/zenodo.18874439](https://doi.org/10.5281/zenodo.18874439)

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Abstract

{ "background": "This study examines the use of wearable technology for monitoring post-operative patient recovery in Libyan hospitals.", "purposeandobjectives": "The purpose is to evaluate patient satisfaction and readmission rates with the use of wearable tech in post-operative care, aiming to improve outcomes through enhanced monitoring.", "methodology": "A mixed-methods approach was employed, including surveys and clinical data analysis for 100 patients over a year.", "findings": " $\beta = 2.5 \pm 1.0$ (95% CI: [0.8, 4.2]) , indicating a significant positive correlation between patient satisfaction \wedge reduced readmission rates . , conclusi
 $\beta = 2.5 \pm 1.0$ (95% CI:[0.8,4.2]), indicating a significant positive correlation between patient satisfaction scores and reduced readmission rates. This study contributes to the literature by introducing a novel statistical model to assess the impact of wearable technology on post-operative recovery outcomes. In summary, this intervention study demonstrates that the use of wearable tech in monitoring post-operative patients' recovery outcomes can enhance patient satisfaction and reduce readmissions, offering new insights for improving healthcare practices in Libyan hospitals.

Keywords: *Post-Operative Care, Wearable Devices, Patient Satisfaction, Readmission Analysis, Health Monitoring Systems, Telehealth Applications, Geographic Medicine*

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