Elective Surgical Cancellations in a Tertiary Hospital in the Middle East: Quality Improvement Process

Johns Hopkins University School of Nursing

Narmeen Al Talalwah, BSc, MSc, RN

Project Advisor

Dr. Kimberly McIltrot, DNP, CPNP, CWOCN

Project Mentor

Dr. AbdulAziz Al Ghamdi, Chief of Anesthesia and Chief Medical staff

“On my honor, I pledge that I have neither given nor received any unauthorized assistance on this assignment.”

Narmeen Al Talalwah
Abstract

**Background:** Cancellation of elective surgery negatively affects patient outcomes and the efficiency of the work environment.

**Design:** A quality-improvement study to analyze the cancellation of elective surgeries and identify the best evidence-based interventions to address cancellations in a tertiary hospital in the Middle East.

**Method:** A retrospective review of cancellations conducted over two 3-month periods in 2016 and 2017.

**Findings:** In both phases of the audit, patient-related reasons were the leading cause of cancellations. Conducting a preoperative call two days before surgery and doing a weekly review of the surgery schedule reduced cancellations from 4.5% to 3.5%. Cancellations due to patient-related reasons reduced from 81.8% to 79.7% whereas cancellations due to hospital-related reasons reduced from 18.2% to 15.9%.

**Conclusion:** Cancellation of surgeries is a worldwide healthcare issue and without understanding the causes of cancellations, it is difficult to devise an effective intervention to address this issue.

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