



Detection and Prevention of Medication Errors in Operating Rooms of Pediatric Surgery Department

A Thesis

submitted for the fulfillment of Master's Degree in Pharmaceutical Sciences (**Clinical Pharmacy**)

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2017

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

رَبِّ أَوْزِعْنِي أَنْ أَشْكُرَ نِعْمَتَكَ

الَّتِي أَنْعَمْتَ عَلَيَّ وَعَلَىٰ وَالِدَيَّ

وَأَنْ أَعْمَلَ صَالِحًا تَرْضَاهُ

وَأَدْخِلْنِي بِرَحْمَتِكَ فِي عِبَادِكَ

الصَّالِحِينَ

سورة النمل (19)

Acknowledgements

All praise is to **ALLAH** the Most Gracious and the Most Merciful for giving me the chance, strength and patience to complete my thesis, after all the challenges I have been through.

First and foremost, I would like to offer my sincerest gratitude to **Prof. Dr. Ayman Ahmed Albaghdady** -Professor of Pediatric Surgery, Faculty of Medicine, Ain Shams University- who has supported me throughout my thesis with his patience and knowledge. One simply could not wish for a friendlier supervisor.

I would also like to deeply thank **Prof. Dr. Nagwa Ali Sabri** -Professor and Head of Clinical Pharmacy department, Faculty of Pharmacy, Ain Shams University- for enlightening me the first glance of research. Her guidance helped me a lot through research and thesis writing. I could not have imagined having a better supervisor for my Master's study.

A very special thank you goes to **Dr. Fady Adib Abdel Malek** -Lecturer of Anesthesiology, Faculty of Medicine, Ain Shams University. Without his passionate participation and input, this work could not have been successfully conducted.

I would like to express my deep gratitude to **Prof. Dr. Mostafa Kamel Reyad** - Professor of Anesthesiology, Intensive Care and Pain Management, Faculty of Medicine, Ain Shams University and **Prof. Dr. Hala Mahmoud Fawzy** -Head

of Pharmacology department, The National Organization for Drug Control and Research- for their precious time and careful review of this thesis.

I would also like to acknowledge *the staff of the pediatric surgery department*, Children's hospital for their cooperation, understanding and acceptance.

Dedication

To my family,

My parents who provided me with unfailing support and continuous encouragement throughout my years of study...

My brothers Ahmed and Karim, and my sister Marwa, this accomplishment would not have been possible without you by my side...

Thank you.

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List of Abbreviations:

ADE	Adverse drug event
APSF	Anesthesia Patient Safety Foundation
ASHP	The American Society of Health System Pharmacists
BCMA	Bar-coded medication administration
BNF	The British national formulary
CPOE	Computerized physician order entry
DUE	Drug use evaluation
eMAR	Electronic Medication Administration Record
FDA	Food and drug administration
ICU	Intensive care unit
IDC	Independent double check
IOM	the Institute of Medicine
ISMP	The Institute of Safe Medication Practices
LASA	Look-alike sound-alike
MAE	Medication administration error
MAR	Medication Administration Record
ME	Medication error
NCCMERP	The National Coordinating Council for Medication Error Reporting and Prevention
NICU	Neonatal intensive care unit
OR	Operating room
PACU	Post-anesthetic care unit
P&T	Pharmacy and therapeutics
RCT	Randomized-controlled trial
SAQ	Safety Attitudes Questionnaire
SSCL	Surgical safety checklist
SSI	Surgical site infection
STPC	Standardization, Technology, Pharmacy/prefilled/premixed and Culture
USP	The United States Pharmacopeia
WHO	The World Health Organization

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