

**“PRESCRIBING PATTERN OF CELECOXIB AT HOSPITAL UNIVERSITI SAINS
MALAYSIA (HUSM), KUBANG KERIAN, KELANTAN”**



**DIPLOMA IN PHARMACY IN THE
FACULTY OF PHARMACY,
UNIVERSITY TEKNOLOGI MARA
PULAU PINANG**

**PREPARED BY
NUR SYAFIQAH BINTI AZHAR
NUR HANNANI BINTI SAZELI
WAN NUR AFIQAH BINTI WAN AZMAN**

MARCH 2017

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Prepared by

**(Nur Syafiqah Binti Azhar, Nur Hannani Binti Sazeli &
Wan Nur Afiqah Binti Wan Azman)**

Supervisor: Ms. Lean Qi Ying

(Faculty of Pharmacy, Universiti
Teknologi MARA, Pulau Pinang)

Mr. Mohd Roslan Mohd Jamil

(Pharmacy Department, Hospital
Universiti Sains Malaysia, Kubang Kerian)

Submitted in partial fulfilment for the Degree of Diploma in Pharmacy of
Faculty Pharmacy,
Universiti Teknologi MARA
Pulau Pinang

March, 2017

Faculty of Pharmacy,
University Teknologi MARA
Pulau Pinang

ABSTRACT

This retrospective study was planned and conducted in out-patient pharmacy of Hospital Universiti Sains Malaysia (HUSM) Kubang Kerian Kelantan during May 2016. The aim of this study was to evaluate the prescribing pattern of celecoxib for patients attending out-patient pharmacy of HUSM. The data was collected using online prescriptions which include patient's age, gender, diagnosis, clinics they came from, frequency and period of treatment. A total of 1321 patients prescribed with celecoxib on January 2016 were included as the study subjects. Data generated from the online prescriptions were analyzed using SPSS software version 23. From this study, the result shows that the most prescribed indications of celecoxib were non-specific pain, followed by diabetes mellitus/ hypertension/ hyperlipidemia, osteoarthritis (OA), Rheumatoid Arthritis (RA), injury/fracture, spondylosis, degenerative bone disease, acute post-operational pain and so on. Orthopaedic clinic 34.3%, accident & emergency clinic (A&E) 16.2% and Klinik Rawatan Keluarga 14% were the clinic that frequent prescribed celecoxib. The most common indications were nonspecific pain 18.5%, followed by diabetes mellitus/ hypertension/ hyperlipidemia 13.4%, osteoarthritis 12.8% and spondylosis 6.2%. Meanwhile, celecoxib 200 mg are the most prescribed compared to celecoxib 400 mg. It was found that age group does not relate to the dose given. Result on the frequency prescribed shows that age range was related with the frequency given. As a conclusion, this study revealed that the factor affecting prescribing pattern are patient's age and diagnosis. Besides, the preferred daily dose for celecoxib is 400mg daily for both strengths except for patients with chronic pain can take it up to 800mg daily. As a conclusion, the study also concludes that patient who age 50-64 years old, diagnosed with pain are the most prescribed with celecoxib.

ACKNOWLEDGEMENT

First and foremost, in the name of Allah and with His blessings, we managed to complete our research report within the given time. We also would like to thank to all those who gave us the chances to conduct and complete this research as our final project in completing our current studies which is Diploma in Pharmacy course at UiTM Bertam, Pulau Pinang. Next, thousand thanks to the Department of Pharmacy Hospital of Hospital Universiti Sains Malaysia, Kelantan for giving us opportunities in gaining experience and knowledge, helping us a lot to commence on this research until it finished as well.

We would like to express our gratitude to our supervisor, Miss Lean Qi Ying for her guidance and contribution in giving ideas. We also thanked to En. Roslan for his cooperation to be our supervisor throughout completing this research project. Besides, a lot of thanks to our respective lecturers for their advices and comments about our research. Without the helps from all of them, our research will never complete.

Furthermore, our warmest thanks to all pharmacists and assistant pharmacists in Hospital Universiti Sains Malaysia who have supporting and helping in our project at HUSM.

Last but not least, thank you so much to our beloved friends and family members who had given their full encouragement and support, also to those who had involved directly or indirectly to finish this research project.

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