

STUDENTS' MODULE 2

**COUGH & SHORTNESS
OF BREATH IN
CHILD**



**Given to 4th Semester Medical Students Of
Hasanuddin University**

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**RESPIRATORY SYSTEM
MEDICAL FACULTY
HASANUDDIN UNIVERSITY
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INTRODUCTION

This module is designed for the fourth semester students of Medical Faculty, as part of the Respiratory System Curriculum. The goal is to provide students with the ability in managing diseases of the respiratory system; the module is completed with a scenario that represents the most frequently found diseases in respiratory system, which are *coughing* and *shortness of breathing*. The students are expected to discuss not only the chief complain (as the main problem) of the scenario, but also everything that considered associated to it, e.g. diseases' pathomechanism in which the students must discuss about the related anatomy, physiology and biochemical process. The ultimate goal is directed more to the problem solving process rather than the diagnosis.

Prior to the PBL process, both students and tutors must read the goals and objectives of the module to assure the process is accomplish according to the designated objectives, as well as to achieve the desired competition. Discussion materials can be obtain either from lecture handouts or other references provided by the lecturers or tutors.

We strongly hope that this module can be very useful in helping the students confirming diagnosis of the respiratory system diseases as well as the management.

Creative Team,

COUGHING & SHORTNESS OF BREATH IN ADULT

MODULE

STUDY GOALS

After learning the module, the students are expected to have the ability in explaining the principal concept of knowledge related to cough symptom as well as able to distinguish between several respiratory system diseases that might develop the symptom.

CASES

Scenario 1

A 3 year old boy is taken to the hospital by his mother due to severe fever, the boy has not had enough sleep since last night and getting very irritable. According to the mother, she has frequently taken her boy to several doctors within the last 3 months for coughing and unstopabel runny nose, sometimes even with difficulty in breathing. His last month recorded body weight from POSYANDU was 10 kgs. He is the third boy, the other two older brothers are also experiencing similar problems, but not as bad as this one.

Scenario 2

A 14 months old boy administered to the hospital due to shortness of breathing, which he had been having for the last 3 days. He also complained about productive cough and fever. He was born with body weight of 3 kgs, spontaneous and aterm. This time his weight is 6 kilograms. No history of difficulty in breathing ever recorded previously. Immunitation history : just given polio and BCG immunitation after a few days after birth.

OTHER SOURCES OF INFORMATION AND REFERENCE

1. Respiratory System Lecture Notes
2. Text books/journals related to respiratory system problems
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7. Davis BD,Microbyology 3rd ed.Harper &Row,Maryland,1980
8. Buku Ajar Ilmu Penyakit Dalam, Harrison
9. Buku Ajar Patologi,Robbins dan Kumar
10. Sutton D.,A.Textbook of radiology and Imaging,1993
11. . Leavel, Clark,text Book of preventive Medicine
12. Junguira LC,Carneiro J : Basic Histology,3th,ed,Los Atlos California USA,Lange Medical Publication,1980,page358-377
13. Mahan LK,Arlin MT.,Nutritional Care in Pulmonary Disease in : Krause's Food,Nutrition & diet therapy, 9thed.,Philadelphia,W.B.
14. Melmon & Morell'is, Clinical Pharmacology Basic Principles in Therapeutics 3rd,Mc Grow Hill,1992
15. Boies,Hilger,Priest.Fundamental of Otolaryngology.A Text Book of Ear Nose & Throat Diseases Fundamental of Otolaryngology
16. Laurel,Guide to management of Infection Disease,New York,1983