Ns. Devia Putri Lenggogeni, S.Kep., M.Kep., Sp.Kep.MB Muhammad Umar Ridhwan, S.Pd., MM.



## Body Temperature Related Illness

## Body Temperature Related Illness

English has become one of the most important languages that is beneficial to master for every student who wants to compete globally and work internationally. It is also the same for nursing students. The need to understand kinds of new nursing knowledge and apply it in the field and communicate in English professionally for them seems as a must in recent years due to the demand of professional nurses to work all around the world. This book which is created by compiling from some major sources and being equipped by attractive yet easy-to-understand language is trying to help them understanding new knowledge in easy way. The advantages of this book are:

- Deep explanation about topic with an easy diction
- · Giving new information structurally
- · Providing with symptoms, causes, prevention, treatment

Although this is an Nursing book with English Language, It is also supported yet equipped with explanation and information towards the topics discussed with simple delivery. It is hoped that readers will not only be able to undertsand the topic but also could use the language as needed while having to re-explain or re-inform to others. Then, both theory and practice as it is aimed will be obtained.



 0858 5343 1992
eurekamediaaksara@gmail.com
Jl. Banjaran RT.20 RW.10 Bojongsari - Purbalingga 53362



## BODY TEMPERATURE RELATED ILLNESS

Ns. Devia Putri Lenggogeni, S.Kep., M.Kep., Sp.Kep.MB Muhammad Umar Ridhwan, S.Pd., MM.



### PENERBIT CV.EUREKA MEDIA AKSARA

#### BODY TEMPERATURE RELATED ILLNESS

Penulis	: Ns. Devia Putri Lenggogeni, S.Kep.,
	M.Kep., Sp.Kep.MB
	Muhammad Umar Ridhwan, S.Pd.,
	MM.

Desain Sampul : Ardyan Arya Hayuwaskita

Tata Letak : Meilita Anggie Nurlatifah

**ISBN** : 978-623-151-806-4

## Diterbitkan oleh : EUREKA MEDIA AKSARA, NOVEMBER 2023 ANGGOTA IKAPI JAWA TENGAH NO. 225/JTE/2021

#### Redaksi:

Jalan Banjaran, Desa Banjaran RT 20 RW 10 Kecamatan Bojongsari Kabupaten Purbalingga Telp. 0858-5343-1992 Surel : eurekamediaaksara@gmail.com Cetakan Pertama : 2023

## All right reserved

Hak Cipta dilindungi undang-undang

Dilarang memperbanyak atau memindahkan sebagian atau seluruh isi buku ini dalam bentuk apapun dan dengan cara apapun, termasuk memfotokopi, merekam, atau dengan teknik perekaman lainnya tanpa seizin tertulis dari penerbit.

#### PREFACE

English has become one of the most important languages that is beneficial to master for every student who wants to compete globally and work internationally. It is also the same for nursing students. The need to understand kinds of new nursing knowledge and apply it in the field and communicate in English professionally for them seems as a must in recent years due to the demand of professional nurses to work all around the world. This book which is created by compiling from some major sources and being equipped by attractive yet easy-tohelp understand language is trying to them understanding new knowledge in easy way. The advantages of this book are:

- Deep explanation about topic with an easy diction
- Giving new information structurally
- Providing with symptoms, causes, prevention, treatment

Although this is an Nursing book with English Language, It is also supported yet equipped with explanation and information towards the topics discussed with simple delivery. It is hoped that readers will not only be able to undertsand the topic but also could use the language as needed while having to re-explain or reinform to others. Then, both theory and practice as it is aimed will be obtained. Our gratitude to all people we could not mention individually. This book is categorized to **Non-Clinical Nursing Skill**. It is then named *Body Temperature-Related Illness*.

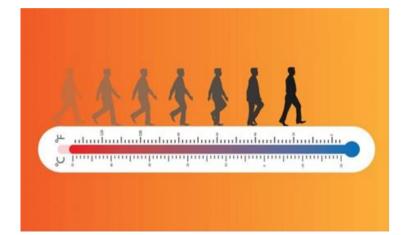
Writers,

Devia and Ridhwan

## TABLE OF CONTENT

PREFACE		iv
TABLE OF	CONTENT	vi
UNIT 1	BODY TEMPERATURE	1
	A. Definition	2
	B. Temperature Regulation	4
	C. Normal Body Temperature	6
	D. Factors, Terminology and Taking Temperature	8
	E. Types of Thermometer	11
UNIT 2	HEAT-RELATED ILLNESS	
	A. Overview	27
	B. Emergency first aid	30
	C. Home Treatment	31
	D. Prevention	33
UNIT 3	FEVER OR CHILLS	36
	A. Fever or Chills (Children Age 11 and	
	Younger)	36
	B. Fever or Chills (Children Age 12 and	
	Older)	45
UNIT 4	<b>RESPIRATORY PROBLEMS</b>	52
	A. Respiratory Problems: Age 11 and	
	Younger	53
	B. Respiratory Problems: Age 12 and	
	Older	63
BIBLIOGRAPHY		73
BIOGRAP	НҮ	77

## UNIT BODY 1 TEMPERATURE



Source:

https://www.google.com/search?q=body+temperature &rlz=1C1FHFK\_idID951ID951

## UNIT HEAT-RELATED 2 ILLNESS



Source:

https://www.google.com/search?q=heat+related+ill ness&rlz=1C1FHFK\_idID951ID951

# UNIT FEVER OR CHILLS



Source:

https://www.google.com/search?q=fever+or+chills&tb m=isch&ved=2ahUKEwisn47T5

## A. Fever or Chills (Children Age 11 and Younger) Overview

Fever is the body's normal and healthy reaction to infection and other illnesses, both minor and serious. Fevers help the body fight infection. Fever is a symptom, not a disease. In most cases, fever means your child has a minor illness. Often you must look at

## UNIT RESPIRATORY PROBLEMS



Source: https://www.google.com/search?q=fever+or+chills&tb m=isch&ved=2ahUKEwisn47T5

#### BIBLIOGRAPHY

- Bridges E, Thomas K (2009) Noninvasive measurement of body temperature in critically ill patients. Critical Care Nurse; 29, 94-97.
- Childs C (2011) Maintaining body temperature. In: Brooker C, Nicol M (eds) Alexander's Nursing Practice. Oxford: Elesvier.
- Davie A, Amoore J (2010) Best practice in the measurement of body temperature. Nursing Standard; 24: 42, 42-49.
- Dougherty L, Lister S (2011) The Royal Marsden Hospital Manual of Clinical Nursing Procedures. Oxford: Blackwell Publishing.
- Duncan A et al (2008) Can a non-contact infrared thermometer be used interchangeably with other thermometers in an adult emergency department? Australasian Emergency Nursing Journal; 11: 130-134.
- Dzarr A et al (2009) A comparison between infrared tympanic thermometry, oral and axilla with rectal thermometry in neutropenic adults. European Journal of Oncology Nursing; 13, 250-254.
- Farnell S et al (2005) Temperature measurement: comparison of non-invasive methods in critical care. Journal of Clinical Nursing; 14: 632-639.
- Fulbrook P (1997) Core body temperature measurement: a comparison of axilla, tympanic membrane and pulmonary artery blood temperature. Intensive and Critical Care Nursing; 13: 266-272.

- Giantin V et al (2008) Reliability of body temperature measurements in hospitalised older patients. Journal of Clinical Nursing; 17: 1518-1525.
- Hamilton P, Price T (2007) The nursing process, holistic assessment and baseline observations. In: Brooker C, Waugh A (eds) Foundations of Nursing Practice Fundamentals of Holistic Care. London: Mosby Elsevier
- Lefrant J et al (2003) Temperature measurement in intensive care patients: comparison of urinary bladder, oesophageal, rectal, axillary, inguinal methods versus pulmonary artery core method. Intensive Care Medicine; 29: 3, 414-418.
- Marieb E, Hoehn K (2010) Human Anatomy and Physiology with Interactive Physiology 10-System Suite. New York, NY: Pearson Publishing.
- Medicines and Healthcare products Regulatory Agency (2011) Mercury in Medical Devices. London: MHRA.
- National Institute for Health and Clinical Excellence (2007) Acutely III Patients in Hospital: Recognition of and Response to Acute Illness in Adults in Hospital. London: NICE.
- Nursing and Midwifery Council (2008) The Code: Standards of Conduct, Performance and Ethics for Nurses and Midwives. London: NMC.
- Pocock G, Richards C (2009) The Human Body: an Introduction for the Biomedical and Health Sciences. New York, NY: Oxford University Press.

- Pusnik I, Miklavec A (2009) Dilemmas in measurement of human body temperature. Instrument Science Technology; 37: 516-530.
- Robb P, Shahab R (2001) Infrared transtympanic temperature measurement and otitis media with effusion. International Journal of Pediatric Otorhinolaryngology; 59: 3, 195-200.
- Scottish Intercollegiate Guidelines Network (2004) Postoperative Management in Adults: a Practical Guide to Postoperative Care for Clinical Staff. Edinburgh: SIGN.
- Stanhope N (2006) Temperature measurement in the phase I PACU. Journal of PeriAnesthesia Nursing; 21: 1, 27-36.
- Sund-Levander M, Grodzinsky E (2009) Time for a change to assess and evaluate body temperature in clinical practice. International Journal of Nursing Practice; 15: 4, 241-249.
- Tortora G, Derrickson B (2011) Principles of Anatomy and Physiology. New York, NY: John Wiley & Sons.
- https://nursinganswers.net/essays/normal-bodytemperature-maintained.php?vref=1
- https://brooksidepress.org/Products/Nursing\_Fundam entals\_II/lesson\_4\_Section\_1B.htm
- https://www.rch.org.au/rchcpg/hospital\_clinical\_guide line\_index/Temperature\_management/
- https://www.uofmhealth.org/healthlibrary/hw198785#hw198785

https://www.healthlinkbc.ca/medical-tests/hw198785 https://medlineplus.gov/ency/article/003400.htm

### BIOGRAPHY

## Ns. Devia Putri Lenggogeni, S.Kep., M.Kep., Sp.Kep. MB.

A lecturer in medical surgical nursing at Andalas University. Graduated from Universitas Andalas for its bachelor degree and Universitas Indonesia for its master degree. Besides, focusing on International Relations Unit in Universitas Andalas.

## Muhammad Umar Ridhwan, S.Pd., MM.

A professional lecturer for English Language in several national and international universities. Graduated from Universitas Negeri Padang for its bachelor degree and ITB HAS for its master degree. Besides, having responsibility as COO for Capitol Toefl Center.