

Immunology

By

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Chapter 1

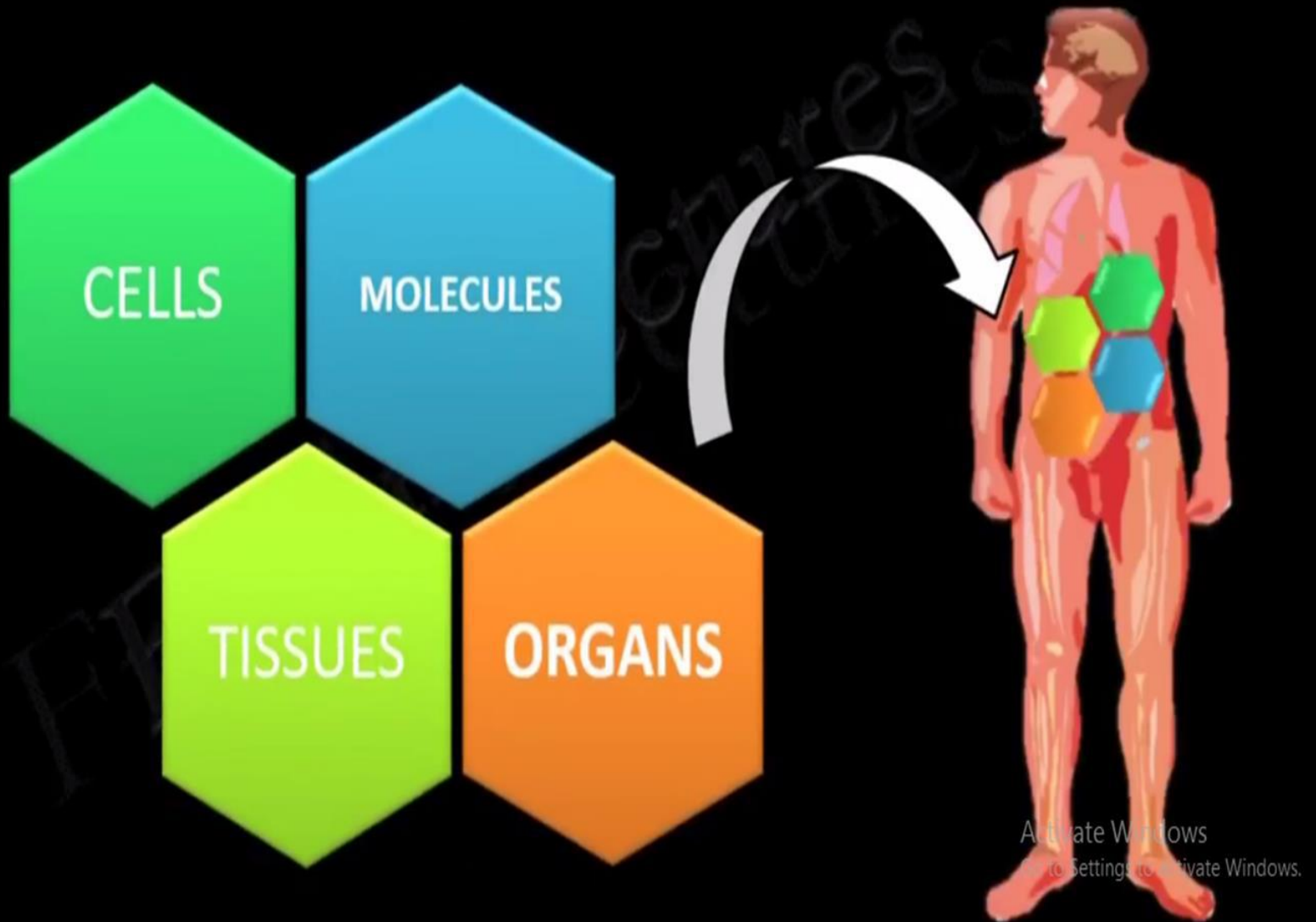
Introduction

Immunity



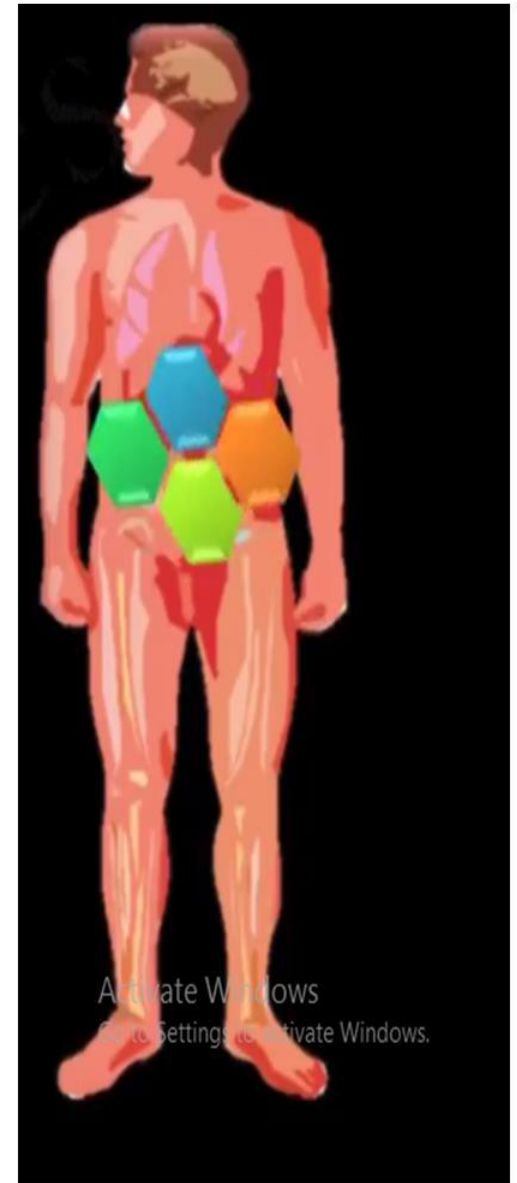
- The general ability of a host to resist infections or diseases
- In latin '**immunis**' means '**exempt**' i.e. free from burden

IMMUNE SYSTEM



Immune system

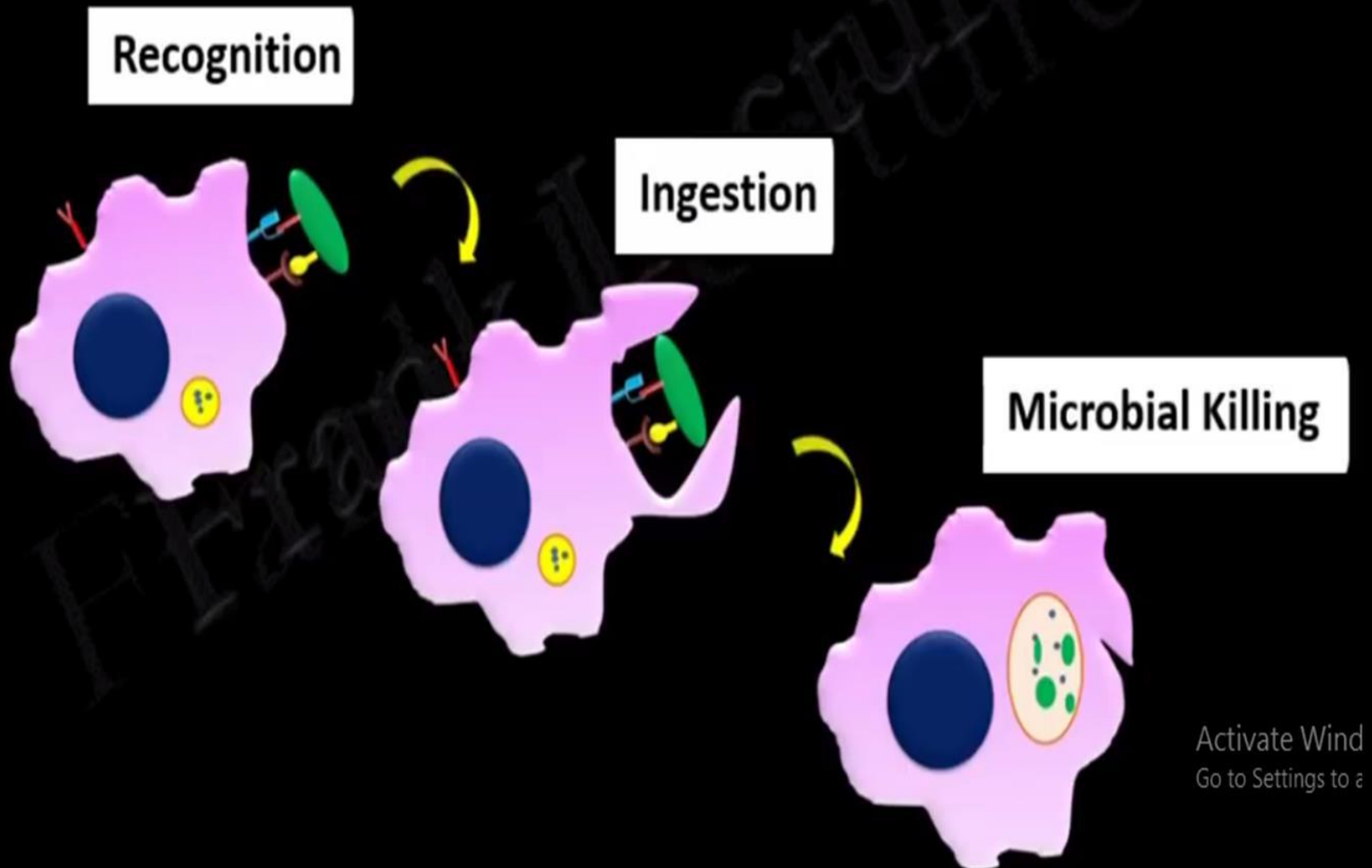
- Prevent access of pathogens to the body
- Tries to neutralize or eradicate infections



Immune response

- The coordinated reactions of the host's immune system to foreign agent or pathogen
- It involves recognition and defending strategies against the invader

Example of Immune response



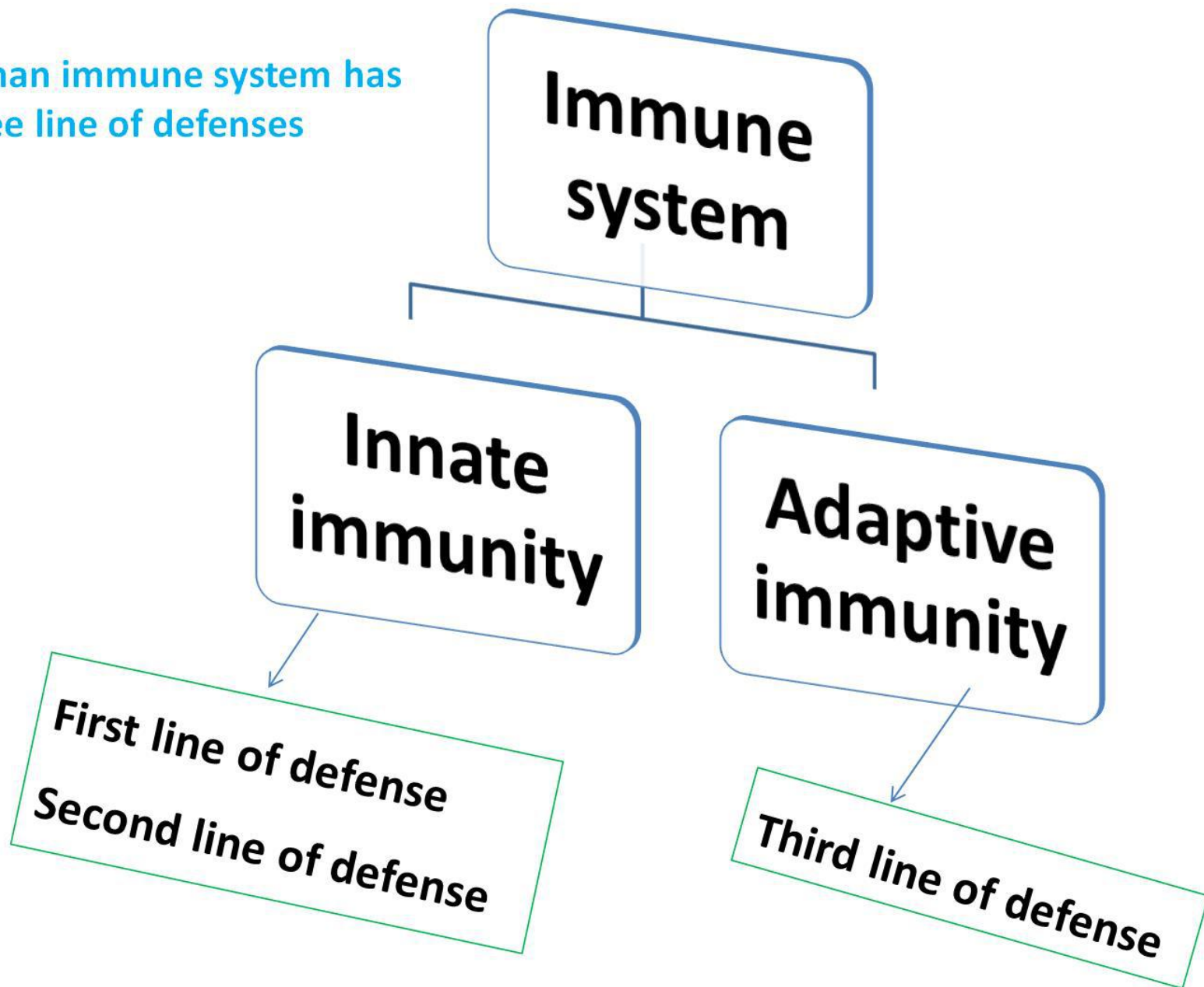
Immunology

The science which studies all aspect of the immune system

Example:

- Its structure and function
- Immune responses to infections or diseases
- Disorders of the immune system

Human immune system has
Three line of defenses



Innate immunity

- In latin 'innate' means 'inborn'
- Present at birth
- Also known as native or natural immunity
- It provides an early defense against infections
- Responses quickly (within minutes or hours)
- It has no immunological memory