



Medical Terminology



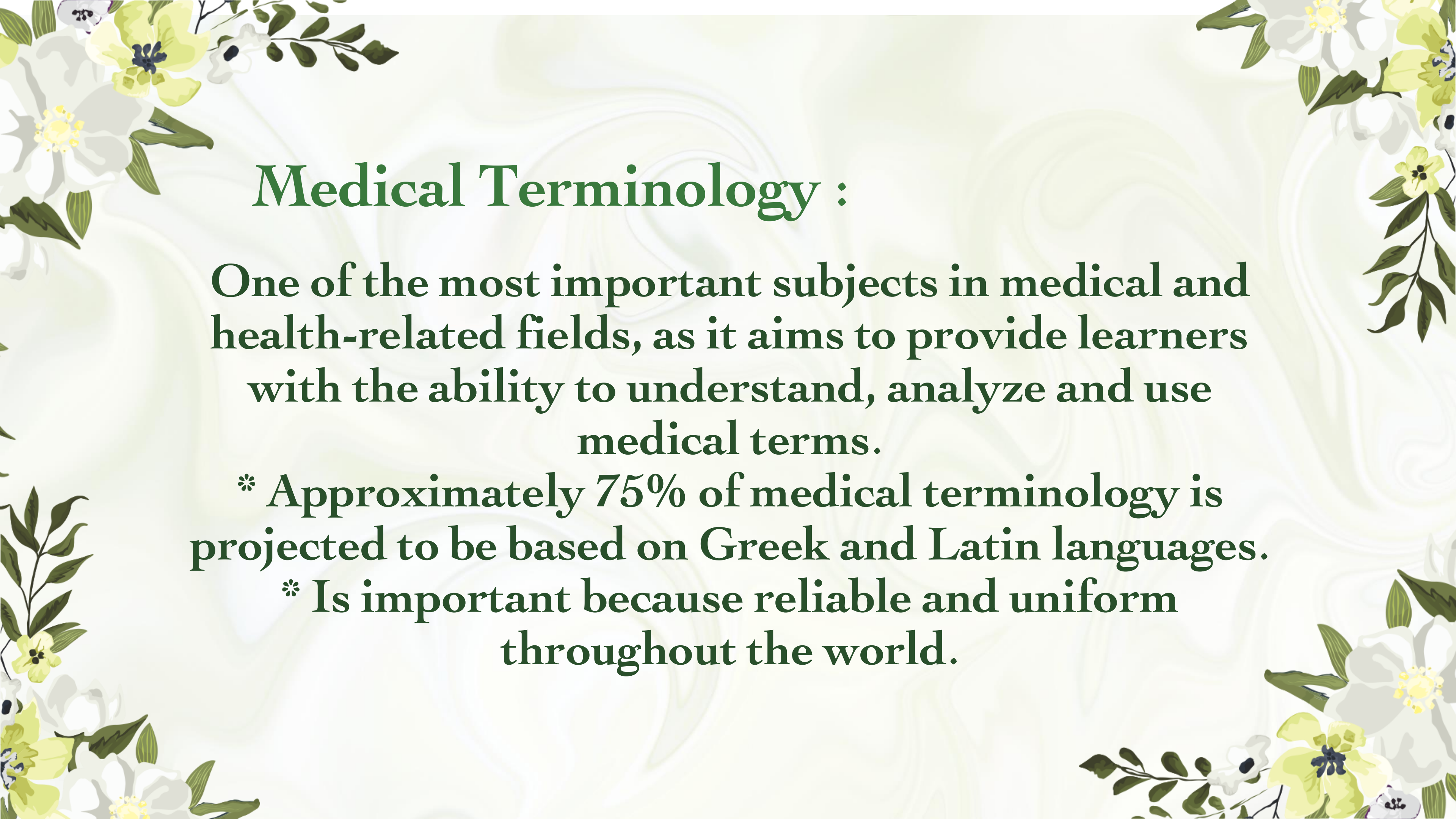


Lecture one

Basic Rules Of Medical Word Building

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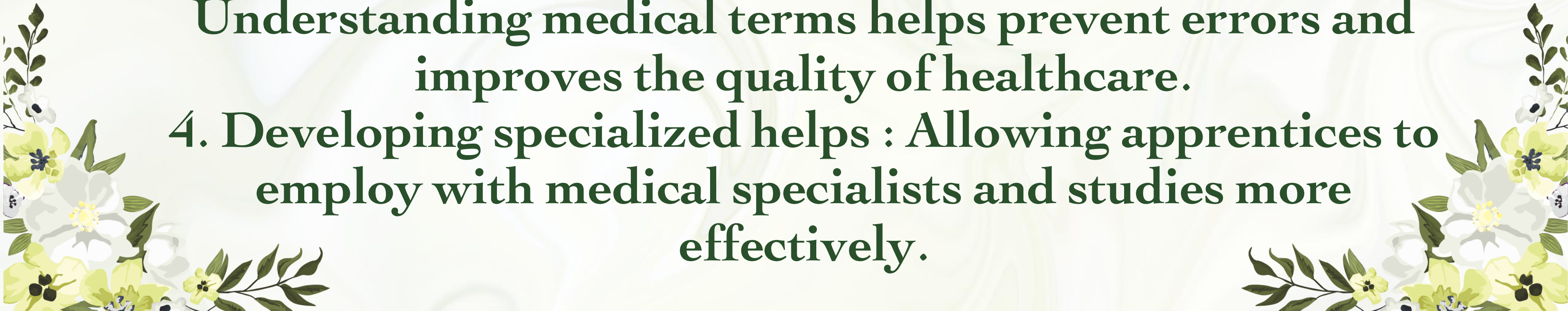
Medical Terminology :

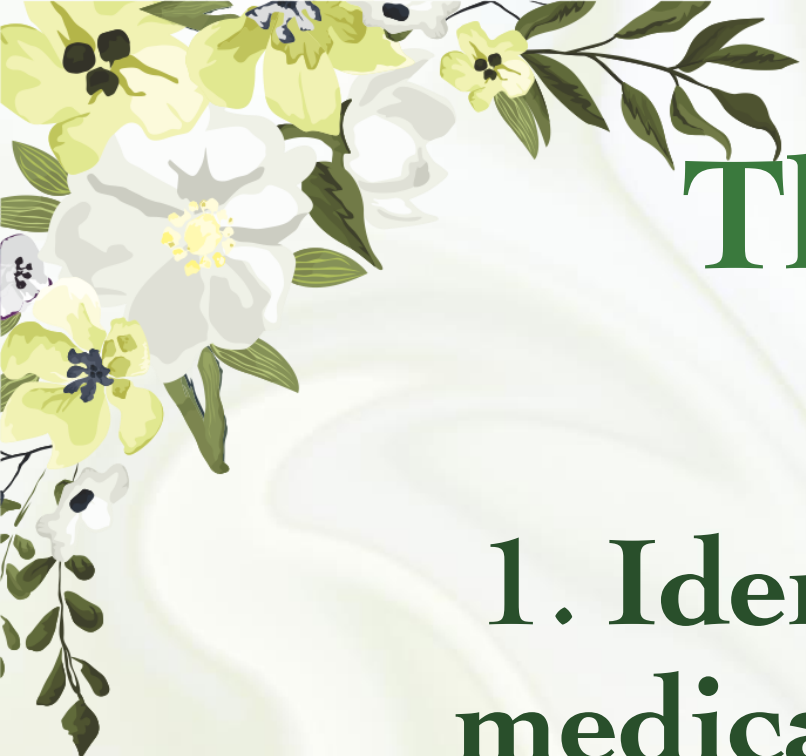
One of the most important subjects in medical and health-related fields, as it aims to provide learners with the ability to understand, analyze and use medical terms.

- * Approximately 75% of medical terminology is projected to be based on Greek and Latin languages.
- * Is important because reliable and uniform throughout the world.



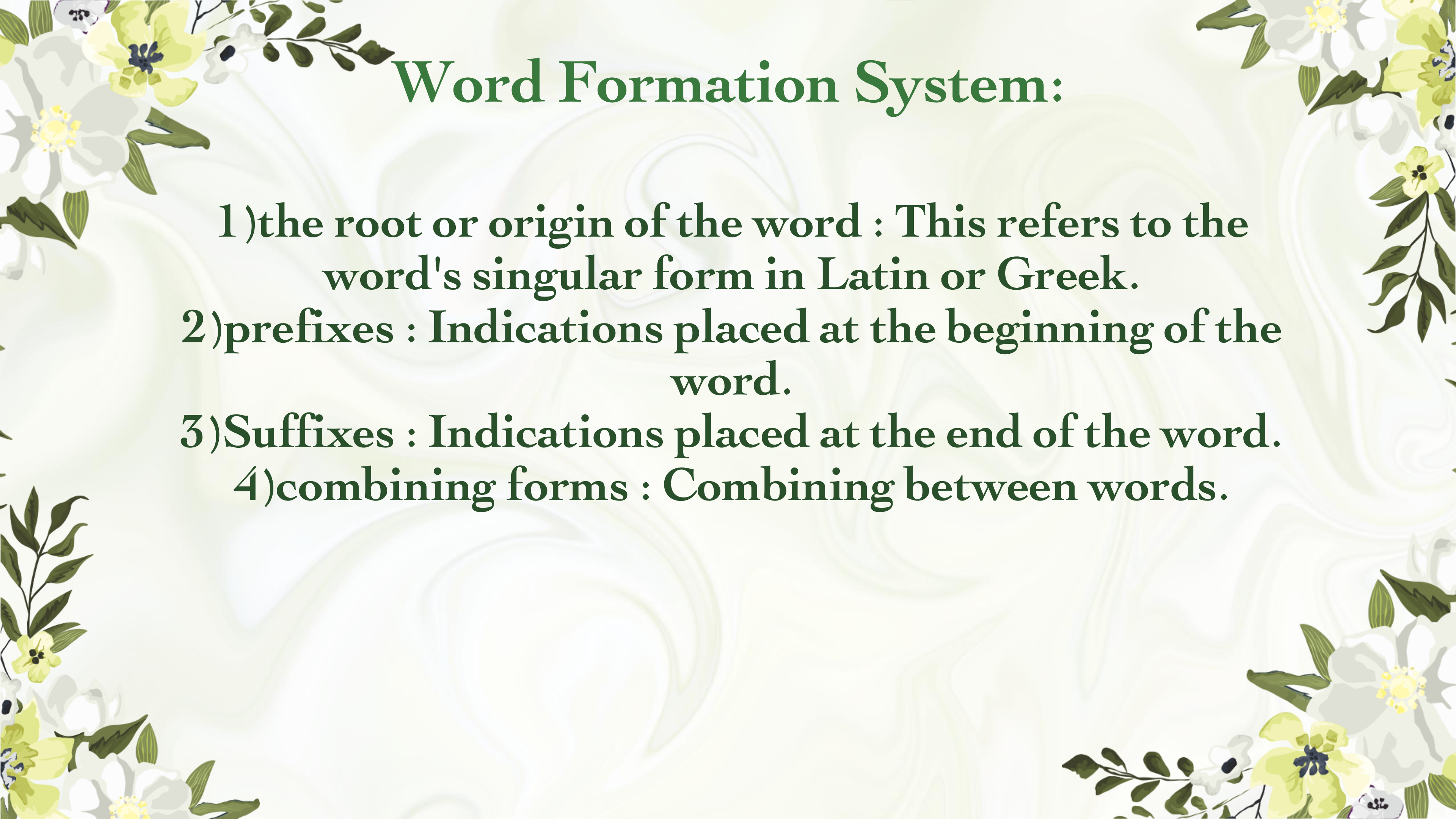
Importance Medical Terminology :

1. Helping medical communication : Assisting doctors, nurses and medical technicians to communicate clearly and accurately.
 2. Increasing understanding : Using uniform terms makes it easier to record medical data in health records.
 3. Confirming accuracy in diagnosis and treatment : Understanding medical terms helps prevent errors and improves the quality of healthcare.
 4. Developing specialized helps : Allowing apprentices to employ with medical specialists and studies more effectively.
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The Goal Of Medical Terminology :

1. Identify and distinguish among the four element of medical terms: roots, suffixes, prefixes and combining form.
 2. Describe how medical terms are divided into words element.
 3. Apply the basic rules to define and build medical words.
 4. Locate the pronunciation guidelines chart and intercept the pronunciation marks.
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Word Formation System:

- 1) the root or origin of the word : This refers to the word's singular form in Latin or Greek.
- 2) prefixes : Indications placed at the beginning of the word.
- 3) Suffixes : Indications placed at the end of the word.
- 4) combining forms : Combining between words.



Word Root :

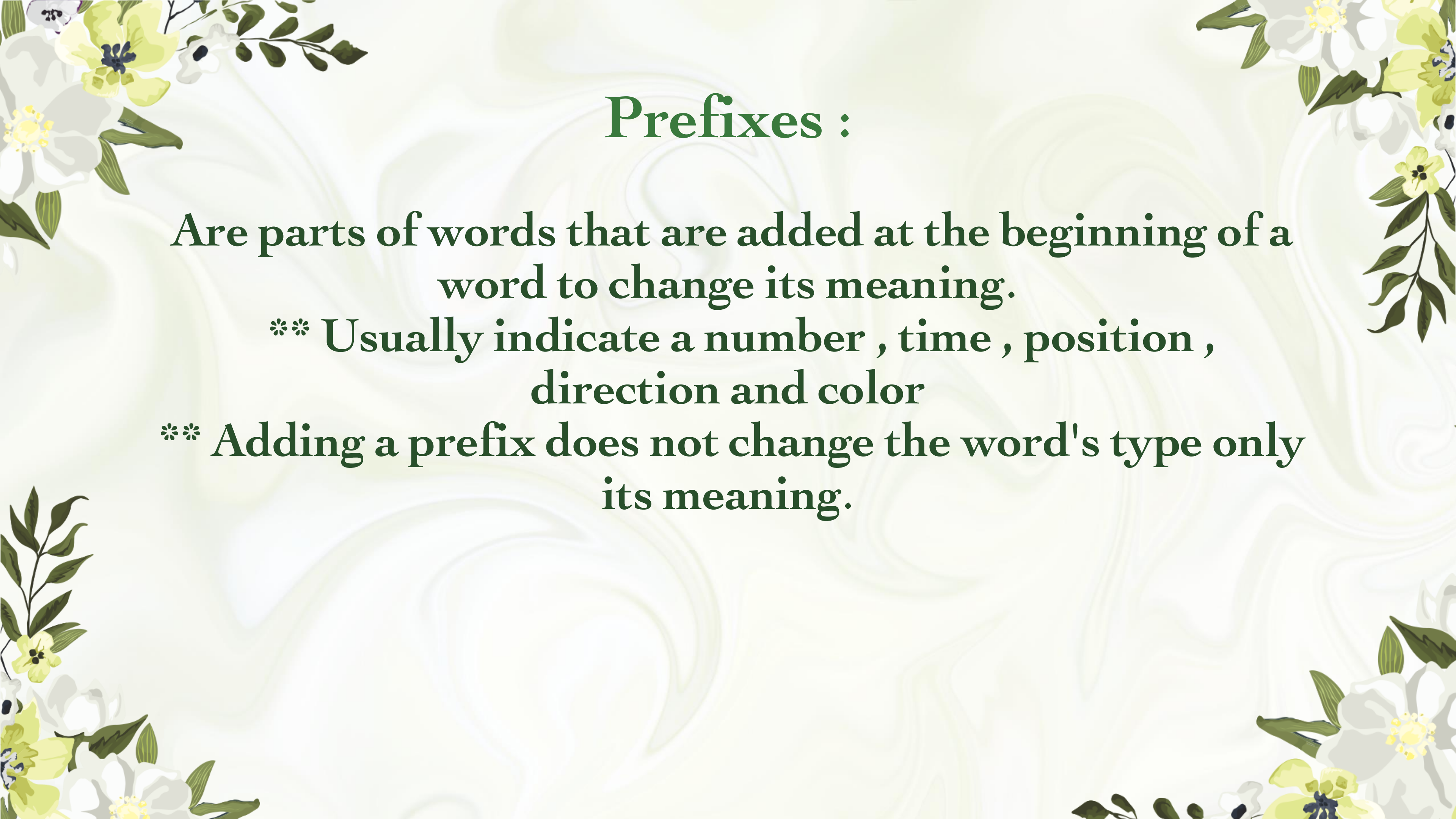
As a general rule , essential part of the term refers to an organ or a part of the body and is derived from Latin or Greek.

- ** Greek is used to describe diseases , conditions , treatments , or diagnoses.
 - ** Latin is used to describe anatomical structures.
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Example Of Word Root :

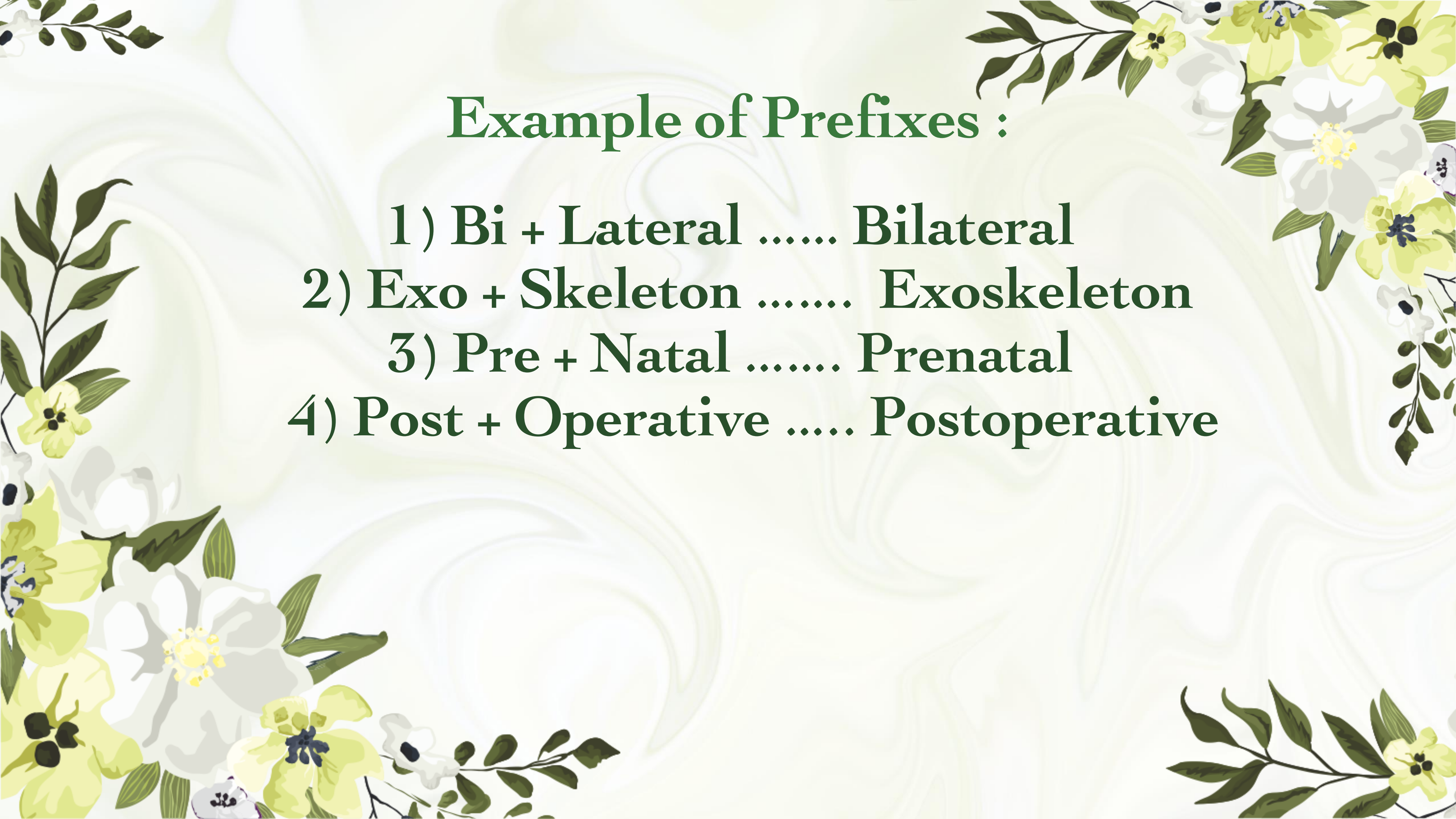
- 1) Dent Mean Tooth.**
 - 2) Dermat Mean Skin**
 - 3) Cardio Mean Heart**
 - 4) Cyt Mean Cell**
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Prefixes :

Are parts of words that are added at the beginning of a word to change its meaning.

- ** Usually indicate a number , time , position , direction and color
- ** Adding a prefix does not change the word's type only its meaning.



Example of Prefixes :

- 1) Bi + Lateral Bilateral
- 2) Exo + Skeleton Exoskeleton
- 3) Pre + Natal Prenatal
- 4) Post + Operative Postoperative



Suffixes :

They are letters or syllables added to the end of a word to give it a new meaning.

- ** The meaning of a medical word can change significantly when suffixes are added.
 - ** usually indicate a procedure, condition, disease or part of speech.
 - ** Usually derived from Greek or Latin.
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Example Of Suffixes

- 1) Tonsilla + - Itis Tonsillitis
 - 2) Endo + - Scopy Endoscopy
 - 3) Cardio + - Logy Cardiology
 - 4) Cardio + - megaly Cardiomegaly.
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Combining forms

language components used in medical terminology to link roots, suffixes, or prefixes together to form a complete and meaningful medical term.

** Usually (O) but rarely (i)

** Used when the suffix begins with a consonant

It is important:

1. They enable the construction of complex terms.
2. They make medical terms clear and easy to understand.
3. They connect different word roots easily.
4. They help in forming new terms based on medical needs.



Example Of Combining Forms :

- 1) Gastr / O + scopy Gastroscopy.
 - 2) erythr / O + cyt erythrocyt.
 - 3) Hepat + - It is Hepatitis.
 - 4) Gastro / O + enter / O + - Logy ...Gastroenterology.
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The image features a light green background with a subtle, swirling pattern. In the four corners, there are decorative floral arrangements. The top-left and bottom-left corners show a branch with green leaves and small white flowers. The top-right and bottom-right corners show a branch with green leaves and larger yellow and white flowers. The text "Thank You" is centered in the middle of the image in a dark green, serif font.

Thank You