



NORMAL BACTERIAL FLORA

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- Normal flora:

It is a microorganisms live in an on our body without causing disease.

- Found in: skin, mucus membranes which lining the upper respiratory tract and gastrointestinal tract, nose, mouth, throat, outer ear and vagina.
- All the internal organs are sterile (blood, CSF, bladder, kidney, heart, lungs and brain).



IMPORTANCE OF NORMAL FLORA:

1. Inhibit pathogenic organism from growing, it protect the body from the diseases.
2. Normal flora in the gastrointestinal tract helps in absorption of vit K, B12.
3. It keeps the acidity level in the vagina to prevent infection.



HARMFUL EFFECTS OF NORMAL FLORA:

1. It cause disease if the N.F moved to sterile organs.
2. When the immunity of the body is low and when there is lack of hygiene (mouth, axilla) the number of N.F will increase then it will cause infection.



Skin Normal flora

- Normal flora of the skin consist primarily of bacteria and fungi.
- Normal flora of the skin can be in any layer of the skin.
- **Outer layer of skin contain:**
Staphylococcus epidermidis
- **Inner layer of skin contain:**
Propionibacterium acnes



Oral Normal flora (mouth)

It is the most proper place for the growth of bacteria, because:

- A. The mouth rich with nutrients from the food intake.
- B. Salivary secretion.

So this permits growth of wide spectrum of organisms, including:

1. Gram +ve aerobic and anaerobic streptococci,
2. Gram -ve aerobic and anaerobic bacilli,
3. Spirochetes,
4. Fusiform bacilli.

