









Acne Vulgaris: Treatment and Therapeutic Strategies

## Pathogenesis Multifactorial

- The blackhead or comedone is the sine qua non of most cases and represents increased cohesion and adhesion of follicular lining cells within the infundibulum portion of the hair follicle.
- The process is driven in almost all cases by the influence of hormones, mostly androgens, which increase follicular oil production.
- With the increased population of bacteria and their by-products and the increased sebum production, there is stimulation of the innate immune system to bring polymorphonucleated cells into the follicle, which creates the papule/pustule.

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## Who gets acne?

- Acne affects males and females of all races and ethnicities. It is prevalent in adolescents and young adults, with 85% of 16 to 18-year-olds affected.
  However, it may sometimes occur in children and adults of all ages.
  Prevalence of acne in adult women is about 12%.
- Acne usually improves by age 25 but may persist, especially in females.
- Neuroendocrine, diet, and genetic androgenetic factors may contribute to this multifactorial process.

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