

Review article

Staphylococcus aureus: Immunopathogenesis and Human Immunity

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SUMMARY

Considering a large number of pathogen factors that enable high virulence of a microorganism such as *Staphylococcus aureus* (*S. aureus*), it is essential to see them through the continuous adaptation to the newly acquired mechanisms of the host immune response and efforts to overcome these, allowing the bacteria a perfect ecological niche for growth, reproduction, and location of new hosts. Past efforts to create a vaccine that would provide effective protection against infections caused by *S. aureus* remained without success. The reasons for this stem from the outstanding adaptability skills of this microorganism to almost all environmental conditions, the existence of a numerous virulence factors whose mechanisms of action are not well known, as well as insufficient knowledge of the immune response to *S. aureus* infections. This review article deals with this issue from another perspective and emphasizes actual knowledge on virulence factors and immune response to *S. aureus*.

Key words: *Staphylococcus aureus*, virulence factors, immunity

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