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Impact study of Nigella sativa Extract on Some Virulence Factor of Staphylococcus aureus Bacteria which Isolate from the Clinical Specimen

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ABSTRACT In this study, the effect of Nigella sativa oil on some of the virulence factors of staphylococcus bacteria was considered. Study of the effect of Nigella sativa oil on two enzymes of Staphylococcus aureus, proteases, coagulase attended three concentrations of Nigella sativa oil 15, 30, and 45% were observed through the study. Great for reducing the effectiveness of this enzyme By comparison with control, the concentration of 45% was one of the best concentrations which gave a big difference in reducing the effectiveness of this enzyme, coagulase, for the second enzyme, significant differences were observed to decrease the effectiveness of this enzyme and the

concentration was 45%. It was better to reduce the concentration of this enzyme.

Keywords: Nigella sativa extract, virulence factor