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Antibacterial Activity of *Punicagranatum*, *Allium sativum* and *Piper nigrum* against Methicillin Resistant *Staphylococcus aureus*(MRSA) isolated from Wound Infections in Al-Hilla, Iraq

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Abstract: A total of 65 clinical samples were collected from patients suffering from wounds infections who admitted to Al-Hilla General Teaching Hospital. Among total 76 bacterial isolates were identified, 48 (63.16%) isolates of *S. aureus* and all of them 48 (100%) were methicillin resistant *S. aureus* (MRSA) depending on the results of antimicrobial susceptibility test of methicillin disc (5mg) and the cultivation on CHROM Agar MRSA Medium.

Antibacterial activities of ethanolic, methanolic and aqueous extract of *Punicagranatum*, *Allium sativum* and *Piper nigrum* against MRSA. These three plants are mostly used in the prescriptions of folk medicine in Iraq. The antibacterial activity was measured by agar well diffusion Method and all extracts of *Punicagranatum* showed high antibacterial activity with maximum inhibition zone (31-40)mm. Ethanolic and methanolic extracts of *Allium sativum* and *Piper nigrum* have antibacterial activity, while their aqueous extracts have no antibacterial activity against MRSA.

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