Background: A. baumannii, an important nosocomial pathogen, causes various human infections, such as meningitis, bacteremia, pneumonia, and urinary tract infections. Its remarkable resistance to a wide range of antibiotics and also its high mortality rate have made the treatment of the infections very difficult. High ability of A. baumannii to form biofilm, and correlation of biofilm with multiple drug resistance was demonstrated recently. A specific cell surface protein named Biofilm-associated protein (Bap) was defined in A. baumannii isolates. Bioinformatic tools have...

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Predominantly at first term of transplantation. In case of increasing Treg in successful HSCT, several factors could be involve: 1) Ablation of immune system and reduction of T cell repertoire coincidence with release of so many self antigen. 2) Generation of more potent signals because of cytokine storm that induce production of Treg more than conventional T cell, like IL-15 and IL-7. 3) Three groups of CD8+ cells that celled facilitating cell (FC) which stimulate generation of TCD4+ CD25+ FOXP3+ from CD4+ CD25- in host spleen, mainly via TL1A activation.

Conclusion: HSCT could be a curative therapy for autoimmune diseases if the signals that affect it, were identified and reinforced. We categorized and reviewed how immune system improves and support HSCT.

Keywords: Tollergic Factors, Hematopoietic Stem Cell Therapy (HSCT)