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Current Clinical Indications of Immunomodulators

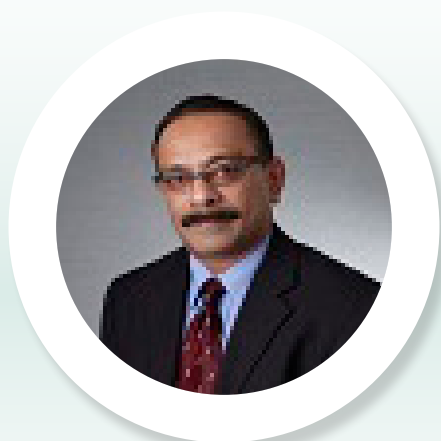
Immunomodulators have shown great promise in regard to prevention and treatment of various disorders ranging from autoimmune, inflammation, rheumatoid arthritis, Crohns Disease and infectious diseases. Several agents exist with different mechanisms of action, indications and side effect profiles. The two general categories are Immunosuppressive and Immunostimulatory agents. The goal has been to increase immune system specificity while minimizing toxicity peripherally and to other organs.

Infectious diseases are considered immunological disorders and neoplastic diseases are involved in an immunosuppressive state. Immunomodulators are able to stimulate natural and defensive mechanisms which are of potential clinical benefit. While they are highly beneficial, their side effects and toxicity profile can often limit their use. There are also potential drug interactions. This presentation summarizes a number of immunomodulators with their clinical indications, mechanism of action and toxicity profiles.

Biography

Bimal Roy Krishna is currently Professor and Director of Pharmacology at the College of Osteopathic Medicine, Touro University in Nevada. He obtained a Bachelor of Science (First Class Honors) in Pharmacology and Physiology and a Doctor of Philosophy, Medicine (OB/GYN/Pharmacology) from Monash University in Australia. He also teaches for the Step 1 USMLE and COMLEX reviews for Kaplan Medical throughout the United States and in UAE, Europe, Saudi Arabia, India, Mexico and the Caribbean. He has been teaching online for Kaplan University for over seven years. He has contributed to numerous publications and is a Member of a number of organizations including Fellow-American College of Clinical Pharmacology. His research background is in Maternal and Neonatal Pharmacology, specifically looking at materno-fetal transfer utilizing the perfused human placental and cultured syncytiotrophoblast model. Complementary and Alternative Medicine is another area of his interest.

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