

## Extended Abstract

## The use of chicken immunologically active proteins (CIAP) for the treatment of bone, joint and soft tissue infections with antimicrobial resistance (AMR) germs in Romanian patients

Costin Aurel Militarul, Patrascu Ionel Victor, Liliana Viasu, Anca Maria Petrini, Maria Serdarub and Ilies-Rares Preutu

Activeimmunity Srl., Romania

Infections with antimicrobial resistance (AMR) germs are a strong concern of present medical practice, imposing a stringent need for efforts to identify alternative treatment approaches. Chicken Immunologically Active Proteins (CIAP) including Immunoglobulin (Ig)-Y represent powerful tools obtained from the eggs of chickens immunized with antigens of the hospital-isolated AMR germs (1-3). This study presents the use of CIAP in AMR infections of bones, joints and soft tissue in Romanian patients. Patients group: We have performed a study on 8 patients (6 male and 2 female) aged 43 to 72 years with AMR infections of bones, joints and soft tissue of the lower limbs and with diverse superposed debilitating pathologies (uncontrolled diabetes mellitus, high blood pressure, atheromatous arteriopathy) that were treated orally and topically with CIAP. Patients were subjected to thorough medical investigations including haemoleucogram, inflammatory

CIAP treatment led to buildup of bone, remodelling of soft tissue and recovery of independent ambulatory capabilities. The obtained results are very suggestive of the immunomodulatory actions and treatment potency of CIAP products in infections with AMR germs in humans. Recent Publications 1. Schade R, Pfister C, Italatsch R, Henklien P. Polyclonal antibodies from chicken egg yolk- an alternative to the production of mammalian IgG type antibodies in rabbits. ATLA. 1991, 19: 403-419. 2. Patrascu Ionel Victor. Active immunity by passive immunity. 2017 Annual Session of the Romanian Academy. 3. Patrascu Ionel Victor. Active immunity by passive immunity. I-spga as a new Immunogen. A Modest Contribution to the Fight Against the Antimicrobial Resistance. SDG Lab, Davos, January 24, 2018, World Economic Forum Annual Meeting, 23-26 January 2018, Davos-Klosters, Switzerland, Media Tenor Global Agenda.