HYPERSENSITIVITY POTENTIAL OF GYNECOLOGICAL DEVICES

Marija Vukelić-Nikolić, Jasmina Popović, Ljubiša Djordjević, Stevo Najman

1University of Niš, Faculty of Medicine, Department of Biology and Human Genetics; Scientific Research Center for Biomedicine, Niš, Serbia
2University of Niš, Faculty of Medicine, Clinics for Gynecology and Obstetrics, Clinical Center of Niš, Niš, Serbia
3University of Niš, Faculty of Science and Mathematics, Department of Biology and Ecology, Niš, Serbia

Contact: Marija Vukelić-Nikolić
Bvd dr Zoran Djindjić 81, 18000 Niš, Serbia
E-mail: marija.vukelic.nikolic@medfak.ni.ac.rs

Medical devices encompass an extremely wide range of products used in variety of settings for the diagnosis, prevention, monitoring or treatment of illness or disability. Development of medicine and technology causes constantly increasing number of different medical devices with characteristics corresponding to biomaterials and whose application can lead to development of hypersensitivity reactions. Despite the fact that gynecology is a wide field for biomaterials applications, there are no summarized data about hypersensitivity reactions to gynecological devices. This paper gives an overview of hypersensitivity potential and common clinical manifestations of medical devices that are specifically used in gynecology. Summarizing these data is very important for improvement of current medical practice and also for designing and creating new medical devices.


Key words: medical devices, biomaterials, gynecology, hypersensitivity reactions