Possible Ring like Late Pacemaker Allergy

Tsoucalas G*

Department of Anatomy, Democritus University of Thrace, Alexandroupolis, Greece

Clinical Image

Permanent pacemaker implantations have been lately increasing in numbers due to the population aging and the increase prevalence of heart diseases globally. A female patient, 84 years of age received a mechanical pacemaker due to bradycardia (33-39 beats per/min heart rate). The patient presented no complications. However, 11 months after the implantation a late hypersensitivity reaction to some of the materials used in generators or in electrodes appeared. Although a combination with an infection could have been the case, to the patient were administered blindly anti-allergic drugs, as she was unable to be transported for further investigation (geriatric patient, paraplegia). Dimetindene gel 0.1% locally and methylprednisolone 4mg per os were granted for the alleviation. In the 3rd day no mark was left and 4 months after the episode no further complication was noted. Possible skin allergy depicted as a ring around the pacemaker, causing cutaneous redness and itching [1,2]. Commercially available mechanical pacemakers are very useful but still present symptoms like a risk of infection and metal allergy, even if they could have a late appearance (Figure 1).

Figure 1: Ring like allergy due to a pacemaker implantation.

References