• Vitiligo has a deleterious effect on the psychosexual function of many individuals, and the genitalia is the common site for depigmentation.
• The authors report two cases of focal vitiligo affecting the scrotum of the genital organs which were treated successfully by autologous cultured melanocytes cell transplantation.
• Autologous cultured melanocytes transplantation on scrotum is shown to be a relatively effective method of treatment.