

Home Books Conferences News About Us Jobs Journals Home > Journal > Chemistry & Materials Science | Medicine & Healthcare > JCDSA Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues JCDSA> Vol.3 No.1A, January 2013 • Special Issues Guideline OPEN ACCESS JCDSA Subscription Treatment of Gray Hair in Vitiligo Patients by Direct Melanocytes Transplant Using Needling Micrografting and Dermabrasion Most popular papers in JCDSA **Techniques** About JCDSA News PDF (Size: 253KB) PP. 79-84 DOI: 10.4236/jcdsa.2013.31A011 Author(s) Frequently Asked Questions Khalifa E. Sharquie, Adil A. Noaimi, Hana A. Al-Mudaris **ABSTRACT** Recommend to Peers Background: Melanocytes transplant for treatment of vitiligo is a common therapy using different surgical procedures. But there was no interest in repigmentation of grayness of hair in the treated vitiliginous area. Recommend to Library Objective: To do melanocytes transplant from donor area into the recipient vitiliginous area with associated gray hair. Patient and Methods: This is a case interventional study was done in Department of Contact Us Dermatology/Baghdad Teaching Hospital from February 2011-March 2012. Eleven patients were enrolled in this study, six males and five females with vitiligo in association of gray hair. Their ages ranged from 8 - 35 years with a mean ± SD of 20.90 ± 7.006. Melanocytes transplant in patients with vitiligo using needling Downloads: 37,911 micrografting technique for twelve patches and direct melanocytes transplant from normal donor area into 98,187 vitiliginous recipient area by dermabrasion technique for eleven patches. Dressing was applied and patients Visits: were seen every two weeks for the first month and monthly for one year. Results: Repigmentation of the vitiliginous area was started after two weeks and was obvious at one month that progressed over time. Sponsors >> The repigmentation of hair appeared usually after few months and was obvious after four months and the repigmentation of gray hair was quicker in patients with micrografting technique than those with dermabrasion technique. The mean rate of repigmentation was 18.3% at six months and 37.5% at twelve months in micrografting technique while the mean rate of repigmentation was 9.15% at six months and 18.55 at twelve months in dermabrasion technique. Conclusions: Direct transplant of melanocytes from normal donor area into recipient vitiliginous area with associated white hair is an effective procedure to induce repigmentation of gray hair. **KEYWORDS** Vitiligo; Melanocytes Transplants; Needling Micrograft in Vitiligo; Dermabrasion in Vitiligo; Gray Hair Cite this paper K. Sharquie, A. Noaimi and H. Al-Mudaris, "Treatment of Gray Hair in Vitiligo Patients by Direct Melanocytes Transplant Using Needling Micrografting and Dermabrasion Techniques," Journal of Cosmetics, Dermatological Sciences and Applications, Vol. 3 No. 1A, 2013, pp. 79-84. doi: 10.4236/jcdsa.2013.31A011. References K. E. Sharquie, "Vitiligo," Clinical and Experimental Dermatology, Vol. 9, No. 2, 1984, pp. 117-126. doi: 10.1111/j.1365-2230.1984.tb00772.x

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