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The effect of stem cells on treatment of cleft lip defect in children

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Hare lip or Cleft lip or Palate is one of the most prevalent congenital defect in human being which has the rate of 1 per 700 or 1000 births in white race people. In recent years physicians and surgeons attempted to treat the malformation by surgery immediately after birth, but in some cases this defect can't be treated by surgery easily. Our objective to use stem cells to eliminate such malformation is to save children to be put under surgery operation, the need to do general anesthesia to extract bone has consequences such as long-lasting pains and natural disorders. The innovation of extraction of stem cells provides more commensurate alternative in comparison with offensive technique of treatment of cleft lip and palate.

Biography

Mobina Vatankhah is a student in Special Farzanegan school. She is grade 10. She is an inventor and researcher. She invented over 5 invention. She won the silver medal of international Geneva exhibition for her invention "Leakage Measurement Control Device of Fluids and Gases" in 2017 as well as she was honored from Tiwan and Hong Kong. She won medals from Croatia and South Korea. She achieved "best researcher of Iran" at the age of 14 years. She published 3 patents for her inventions in Google Patent and WIPO. Also she won Kharazmi festival at the age of 15.

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