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**Scientists say cure for baldness could be close – 23rd March, 2021**

## Level 4

Scientists have worked on a cure for baldness for decades. Help may be near for bald or balding people. Japanese scientists have found stem cells that aid hair regeneration. This is welcome news for millions who suffer from baldness. The scientists are now doing laboratory tests. They hope to adapt the stem cells and make a hair loss therapy. Baldness mainly affects men. By the age of 35, around two-thirds of men will experience hair loss.

The scientists took fur cells from mice and cultured them in the lab. They used 220 combinations of chemicals to make the hair regrow naturally. The lead scientist said there is a cyclical regeneration of hair follicles from stem cells. He hopes to make "hair follicle regeneration therapy a reality in the near future". He added: "Losing hair is not life-threatening, but it adversely affects the quality of life."

## Level 5

Help may be near for people who are losing or have lost their hair. Japanese scientists have found stem cells that are vital for hair regeneration. This is welcome news for the millions of people worldwide who suffer from baldness. Scientists have been working on a cure for decades. The Japanese scientists are now doing clinical research and laboratory tests. They hope to adapt the stem cells to create a therapy for hair loss. Baldness mainly affects men. By the age of 35, around two-thirds of men will experience hair loss. By the age of 50, up to 85 per cent will have thinning hair.

The scientists took fur cells from mice and cultured them in the lab. They saw that hair growth is cyclical within the follicle. The scientists used 220 combinations of chemicals to make the hair regrow naturally. The lead scientist said his system creates the cyclical regeneration of hair follicles from stem cells. He said it would, "help make hair follicle regeneration therapy a reality in the near future". He added: "Losing hair is not life-threatening, but it adversely affects the quality of life." One bald man said: "Having a full head of hair again will make me look ten years younger".

## Level 6

Help may soon be at hand for those who are losing or have lost their hair. A team of Japanese scientists has discovered stem cells that are vital in the hair regeneration process. This is promising news for the millions of people worldwide who suffer from baldness. A cure has eluded scientists for decades, despite extensive research and significant investment in research. The scientists are now embarking on clinical research and laboratory trials. They hope to adapt the stem cells to finally create a therapy for hair loss. Baldness predominantly affects men. By the age of 35, around two-thirds of men will experience some degree of hair loss. By the age of 50, up to 85 per cent will experience significantly thinning hair.

The scientists took fur cells from mice and cultured them in the lab. They observed that hair growth was a cyclical process within the follicle. They analysed the stem cells and used 220 combinations of chemicals to make the hair regrow naturally. Lead scientist Takashi Tsuji said: "Our culture system establishes a method for cyclical regeneration of hair follicles from hair follicle stem cells and will help make hair follicle regeneration therapy a reality in the near future." He added: "Losing hair is not life-threatening, but it adversely affects the quality of life." Sam Baker, a 52-year-old bank worker, hopes the therapy works. He said: "Having a full head of hair again will make me look ten years younger".