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Robotic follicular unit extraction in hair transplantation.

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Abstract

BACKGROUND: In recent years, there has been a shift toward minimally invasive procedures. In **hair transplantation** surgery, this trend has manifested with the emergence of follicular unit extraction (FUE). Recently, a **robot** has been introduced for FUE procedures.

OBJECTIVE: To determine the transection rate of a robotic FUE device.

MATERIALS AND METHODS: The authors discuss the procedure, technical requirements, optimal candidates, advantages, and disadvantages of robotic FUE compared with the standard ellipse.

RESULTS: Optimal candidates for robotic FUE are those with dark **hair** color who can sit for 45 to 120 minutes and are willing to shave a large area for donor harvesting. The main advantages of robotic FUE compared with the standard ellipse are its minimally invasive nature and the lack of a linear scar. The average transection rate with the **robot** to date is 6.6% (range, 0.4%-32.1%).

CONCLUSION: The **robot** is a new and innovative method for FUE **hair transplantation** of which **hair transplant** surgeons should be aware.

Comment in

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