# ⚙️ Robotic Cataract Surgery Breakthrough

- **Where & When:**
    - **Performed at the Army Hospital Research & Referral (AHRR), Delhi Cantonment.**
    - **This marks the first-ever robotic custom laser cataract surgery in a government hospital in India.**
    - **The procedure used the advanced ALLY Adaptive Cataract Treatment System.**
- **Significance:**
    - **India is now the second country in South Asia where this robotic cataract surgery has been performed in a government setup.**
    - **Represents a major technological leap in ophthalmic surgery, especially within the public healthcare system.**
    - **Will benefit defence personnel, veterans, and their families who depend on AHRR for tertiary care.**
- **Technology Details:**
    - **The ALLY system combines femtosecond laser precision with advanced robotic guidance.**
    - **Customizes treatment for each patient based on eye measurements.**
    - **Reduces dependency on manual incisions and phacoemulsification.**
    - **Results in improved precision, reduced surgical trauma, faster recovery, and better refractive outcomes.**

- **Patient Benefits:**
    - **Faster post-surgery rehabilitation.**
    - **Improved visual outcomes compared to conventional cataract surgery.**
    - **Potential reduction in complications, especially for patients with complex cataract profiles.**
    - **Enhanced safety for elderly and high-risk patients.**
- **Wider Context in India:**
    - **Cataract is the leading cause of blindness in India, contributing to over 60% of avoidable blindness cases.**
    - **While phacoemulsification remains the standard, robotic laser cataract surgery is a step towards next-gen precision eye care.**
    - **Integration into government hospitals may pave the way for wider public access, beyond private high-end eye centres.**
- **Future Scope:**
    - **AHRR will serve as a training hub for military ophthalmologists.**
    - **If successful, the technology may be scaled to other AIIMS and major government hospitals.**
    - **Possibility of inclusion under Ayushman Bharat or defence healthcare coverage to expand affordability.**

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**👉 This development places India at the forefront of ophthalmic robotics in South Asia, with potential long-term impact on both public healthcare accessibility and global recognition of Indian medical innovation.**