

How KFSHRC Built National Capability to Support Advanced Nuclear Medicine Care

RIYADH, SAUDI ARABIA, December 29, 2025 /EINPresswire.com/ -- For patients who rely on nuclear medicine for diagnosis and treatment, timing is often as critical as accuracy. Many radiopharmaceuticals have extremely short half-lives, making dependable local production a clinical necessity rather than a logistical preference.

At King Faisal Specialist Hospital & Research Centre (KFSHRC), this reality has shaped a long-term approach to radiopharmaceutical production focused on reliability, clinical readiness, and system resilience. Through its Cyclotron and Radiopharmaceuticals Department, the hospital operates multiple advanced cyclotrons that support the continuous production of diagnostic and therapeutic agents used in daily patient care.



These capabilities allow KFSHRC to supply radiopharmaceuticals to dozens of medical centers across Saudi Arabia, with daily distribution reaching cities nationwide. The model reduces dependence on international supply chains and helps ensure that patients receive time-sensitive diagnostic scans and targeted therapies without disruption.

The hospital's production portfolio includes a range of diagnostic and therapeutic isotopes used in molecular imaging and oncology. By maintaining production under internationally recognized quality and safety frameworks, KFSHRC integrates manufacturing directly into its clinical care ecosystem rather than treating it as a standalone industrial function.

Beyond production, the hospital has invested in developing national expertise through specialized training in radiopharmacy, radiochemistry, and cyclotron operations. These efforts support long-term sustainability and help ensure that advanced nuclear medicine services can continue to expand alongside patient demand.

Expansion plans for additional cyclotron facilities in other regions reflect a broader objective: bringing advanced diagnostic and therapeutic capabilities closer to patients, while embedding self-reliance into the healthcare system itself.

KFSHRC ranks first in the Middle East and Africa and fifteenth globally among the world's top 250 academic medical centers for 2025. It also holds the highest valued healthcare brand in Saudi Arabia and the region, according to Brand Finance 2024, and is listed by Newsweek among the World's Best Hospitals 2025, the World's Best Smart Hospitals 2026, and the World's Best Specialized Hospitals 2026.

Riyadh

KFSHRC

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