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Advancement in Medical Devices Technology making India a global hub for healthcare

Jaipur | Rajasthan

World Trade Center Jaipur organized a round table discussion on, "Role of Advanced Technology in Medical Diagnostics," on 31st January 2025 at the conference room, World Trade Center Jaipur office, Malviya Industrial Area, and invited participants, which comprised of suppliers, manufacturers, wholesalers, and distributors of medical devices and created a forum to understand the growing dominance of India in Medical Healthcare.

Guest speaker of the day, Mr. B. S. Kataria, State Head, Rapid Diagnostics Group of Companies, Jaipur, deliberated, "Advanced diagnostics, refers to the use of cutting-edge medical technologies and techniques to diagnose diseases with greater accuracy and detail, often enabling early detection and personalized treatment plans, including sophisticated imaging methods like PET scans, MRI, and specialized laboratory tests like next-generation sequencing (NGS) and real-time PCRs.' Mr. Kataria continued with, "It is noteworthy to mention here that advanced diagnostics is about early detection. these techniques can identify diseases at earlier stages when treatment is more effective, highly precise, providing more detailed information about a disease compared to traditional methods, and recommending personalized medicines. By providing in-depth data, advanced diagnostics can help tailor treatment plans to individual patients."

Mr. Kataria also gave certain instances of advanced diagnostic technologies, he said, "Molecular diagnostics, analyzing genetic material to identify mutations associated with diseases, advanced imaging through Techniques like PET scans, SPECT, and high-resolution CT scans, Biomarkers, detecting specific molecules in blood or other bodily fluids that indicate disease presence and Liquid biopsy, analyzing circulating tumor DNA to monitor cancer progression are a few examples."

Responding to a query on molecular diagnostics Mr. Kataria explained, "Advanced molecular diagnostics refers to the use of highly sophisticated molecular biology techniques to analyze DNA or RNA, allowing for more precise and sensitive detection of diseases at a genetic level, often including the identification of specific genetic mutations that can predict disease risk or guide treatment decisions, often utilizing technologies like next-generation sequencing and advanced bioinformatics analysis, essentially, it represents the cutting edge of molecular diagnostics with increased accuracy and detailed information compared to traditional methods."

Mr. Navneet Agarwal, Assistant Director- World Trade Center Jaipur thanked the guest speaker and participants for coming together and making it an informative session for all.

In the pic: Guest speaker, “Mr. B. S. Kataria, State Head, Rapid Diagnostics Group of Companies, Jaipur illustrating to the audience through advanced medical device.”

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