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IIT Roorkee and UnivLabs collaborate to develop biodegradable ureteral stents

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Biodegradable stents reduce discomfort, and decrease risk of complications



The Indian Institute of Technology (IIT) Roorkee, and Gurugram-based UnivLabs Technologies have joined hands to translate research findings into real-world applications.

Through a Technology Transfer Agreement and a Memorandum of Agreement (MoA), the collaboration aims to develop and commercialise technology related to biodegradable ureteral stents, a breakthrough innovation poised to transform urological care.

The patented technology, titled 'A biodegradable polymeric composite with enzymatic degradation for ureteral stent and its methods of preparation,' holds immense promise in addressing challenges associated with conventional ureteral stents. These stents are commonly used to maintain fluid drainage from the kidney to the bladder in cases of ureteral obstruction caused by various clinical conditions.

Unlike non-degradable stents currently in use, the biodegradable stents developed by a team of researchers from IIT Roorkee and UnivLabs Technologies offer several advantages. These include reduced discomfort, decreased risk of complications such as urinary tract infections and encrustation, and the elimination of the need for a second surgery for removal.