



DEPARTMENT OF ORTHOPAEDICS
DATE : 22.04.22
SURGEON : Dr. RIA. J. G.
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Department of Arthroplasty



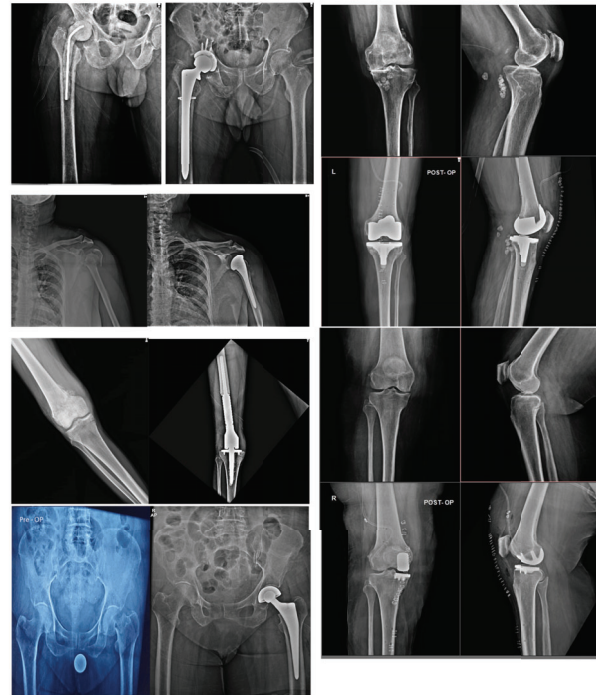
Division of Joint Replacement and Robotics 2024

Introduction

The Department of Arthroplasty at Preethi Hospitals continues to set a benchmark in joint replacement surgeries with its exemplary team, cutting-edge technology, and dedication to patient care. Under the leadership of Prof. Dr. R. Sivakumar, a world-renowned faculty with over 25 years of expertise, our team has mastered complex revision surgeries, prosthetic joint infections, and periprosthetic fractures. Recognized as a premier center for post-doctoral fellowship training in arthroplasty, the department remains at the forefront of innovation by introducing state-of-the-art facilities such as the CORI Robotic System. This advanced technology ensures precise joint replacements and accelerates patients' functional recovery, further solidifying our reputation as a leader in orthopedic care.

Our ability to manage challenging cases, including periprosthetic fractures and complex revision surgeries, sets us apart. Each year, we advance our capabilities through rigorous training, collaborative research, and embracing the latest technological innovations, ensuring the highest quality of care for our patients.

Our team comprises experienced consultants who bring diverse expertise to the table, enabling us to address a wide range of conditions effectively. As pioneers in arthroplasty, we take immense pride in training the next generation of surgeons while maintaining a patient-centric approach that prioritizes individual needs and outcomes.



SURGERIES	2018	2019	2020	2021	2022	2023	2024
TKR	51	121	49	107	189	275	338
THR	27	29	13	32	59	60	70
HEMIARTHROPLASTY	14	27	25	34	47	50	65
SHOULDER REPLACEMENT	1	0	0	2	3	0	2
PERIPROSTHETIC FRACTURES	2	4	6	7	15	7	20
PARTIAL KNEE REPLACEMENT	-	-	-	-	-	2	10
TOTAL	95	181	93	182	313	361	505



Preethi Advanced Knee Course (PAKC)

What makes us unique?

In 2024 our team has crossed 500+ successful robotic knee replacement surgeries under Prof. R. Sivakumar and excellent outcome in all of our patients. Introducing (Robotics) The Best technology available at present to our region combined with expertise of the surgical team has made the complex surgeries simple with no complications.

Being a referral center for

- Revision surgeries
- Bone tumors
- Prosthetic joint infections
- Periprosthetic fractures

We have handled 26 revision Hip & Knee Surgeries in this year. We serve as a tertiary care center for Arthroplasty in the entire south Tamilnadu.

On February 24th and 25th, Preethi Hospitals hosted the prestigious Preethi Advanced Knee Course (PAKC) 2024 at Courtyard by Marriott, Madurai. This two-day academic event brought together 15 eminent national faculty members from major medical hubs, including Mumbai, Pune, Hyderabad, Bangalore, Chennai, and Coimbatore. Highlights included live demonstrations of five surgeries: two total knee replacements with CORI robotic assistance, two partial knee replacements, and a complex conventional total knee replacement.

The academic sessions were meticulously designed, covering critical topics such as:

- Robotic assistance in knee replacement surgeries.
- Addressing complex sagittal and coronal plane deformities.
- Strategies for tackling challenging cases and mastering surgical techniques.



Participants were treated to interactive discussions, hands-on workshops, and expert-led panels that explored emerging trends and practical applications in arthroplasty. The event attracted over 100 orthopedic professionals, creating a vibrant platform for knowledge exchange and skill enhancement. Feedback from attendees highlighted the exceptional quality of the sessions and the seamless organization of the event, reaffirming Preethi Hospitals' commitment to advancing medical education.

March to August : Continued Excellence in Clinical Practice

During this period, the Department of Arthroplasty focused on delivering exceptional care to patients through meticulous planning and execution of surgical procedures. Our team performed an impressive number of surgeries, including complex cases involving revision arthroplasty and periprosthetic fractures. These months were marked by a steady inflow of patients seeking advanced joint replacement solutions, reflecting the growing trust in our expertise.



Collaborative efforts with physiotherapists and rehabilitation specialists ensured holistic care, enabling patients to regain mobility and return to their daily activities faster. Regular interdisciplinary meetings facilitated case discussions, allowing us to refine our approaches and adopt innovative techniques.

In June, Dr. Pratik Rathod and Dr. Arul Prakash attended Advanced Robotic training session on unicompartmental knee replacement (UKR) and total knee replacement (TKR) conducted by Smith & Nephew in Singapore. This event was pivotal in enhancing their practical skills and exposure to advanced surgical techniques, further enriching their ability to contribute to the department's excellence.

In July, Prof. Dr. R. Sivakumar participated in the AO Recon Advanced Course in Madrid, Spain. This prestigious course focused on complex reconstructive techniques and fostered discussions among leading global experts, enabling Prof. Sivakumar to bring back invaluable insights to the department.

September : International Fellowship and Academic Achievements

In September, Dr. Pratik Rathod embarked on an international clinical fellowship at Takatsuki General Hospital, Osaka, Japan, under the esteemed mentorship of Professor Takafumi Hiranaka. This opportunity allowed for the exchange of advanced surgical techniques and insights into global best practices in arthroplasty, further enriching our department's expertise.

Prof. Dr. R. Sivakumar also attended a workshop in Singapore focusing on the direct anterior approach to hip replacement. This session provided a platform for discussing cutting-edge techniques and sharing knowledge with global experts. Prof. Sivakumar's contributions and interactions during this workshop highlighted our department's commitment to staying abreast of international advancements.

Additionally, two fellows affiliated with Dr. MGR University successfully completed their arthroplasty fellowship at Preethi Hospitals. This milestone highlights the department's role in training the next generation of orthopedic surgeons and its dedication to academic excellence.

Furthermore, the use of robotics and navigation in total hip replacement surgeries was initiated by Prof. Dr. R. Sivakumar. This marks a significant step forward in integrating advanced technologies with surgical practice, exemplifying the ever-evolving symbiosis between medicine and technology. Such advancements have elevated the precision and outcomes of hip replacement procedures, setting new benchmarks in patient care.

October : Knee Club 2024

October witnessed the successful organization of the Knee Club 2024 on the occasion of World Arthritis Day. This initiative brought together patients who had successfully undergone total knee or unicompartmental knee arthroplasty. The event focused on one-on-one experience sharing by the patients and addressed their post-arthroplasty questions and concerns. This unique platform underscored Preethi Hospitals' patient-centric approach, offering reassurance and ongoing support to individuals navigating life after arthroplasty. Such initiatives reflect the hospital's commitment to creating a community of care, ensuring that patients feel supported and empowered in their recovery journeys.



November : IAACON 2024

In November, Dr. Sivakumar and Dr. Pratik attended IAACON 2024 in Bhubaneswar, an esteemed international conference that hosted over 1,000 orthopedic professionals. Dr. Pratik presented the department's work in arthroplasty, which received widespread appreciation and recognition from peers and experts alike. This platform allowed for meaningful exchanges of ideas and further reinforced the department's position as a leader in orthopedic excellence.

December : IOACON 2024

In December, IOACON 2024 took place in Bangalore, another prominent international conference attended by over 1,000 orthopedic surgeons. Dr. Pratik Rathod was awarded the gold medal for his research paper focusing on alignment and accuracy while using the CORI robotic system. This accolade is a testament to the department's innovative contributions to the field of arthroplasty. The medal will be officially conferred at IOACON 2025. Additionally, more than 10 papers from the department have been submitted for the gold medal category at upcoming conferences such as TTJR and TNOACON, further establishing our commitment to contributing to academic and clinical advancements in orthopedics.

Looking Ahead to 2025

As we bid farewell to 2024, we reflect on a year filled with milestones, challenges, and accomplishments. The road ahead is one of promise and potential. In 2025, we aim to:

- Expand our repertoire by incorporating emerging technologies such as AI-guided surgery.
- Further our commitment to research and training by launching advanced fellowship programs.
- Increase patient outreach to raise awareness about the benefits of early intervention and advanced arthroplasty techniques.
- Strengthen collaborations with international institutions to bring global best practices to our local community.
- Innovate rehabilitation protocols to optimize post-operative recovery.

Our mission remains steadfast: to alleviate joint pain and restore mobility through the latest advancements in arthroplasty. Together, let us continue to strive for a future of pain-free movement, where every patient we serve experiences enhanced quality of life, free from the limitations of joint discomfort. With dedication, innovation, and compassion, we look forward to making 2025 an even more impactful year for our patients and the orthopedic community at large.

The Department of Arthroplasty at Preethi Hospitals has always been more than a medical facility; it is a beacon of hope for individuals suffering from joint disorders. As we look to the future, we remain committed to pushing the boundaries of what is possible in orthopedic care. Through continuous learning, technological advancements, and unwavering dedication to patient welfare, we strive to redefine standards in arthroplasty and inspire a legacy of excellence.

In conclusion, 2024 has been a testament to our team's resilience, ingenuity, and compassion. With the support of our patients, staff, and partners, we are poised to make 2025 a year of even greater achievements. Together, let us pave the way for a healthier, more mobile future for all.
