



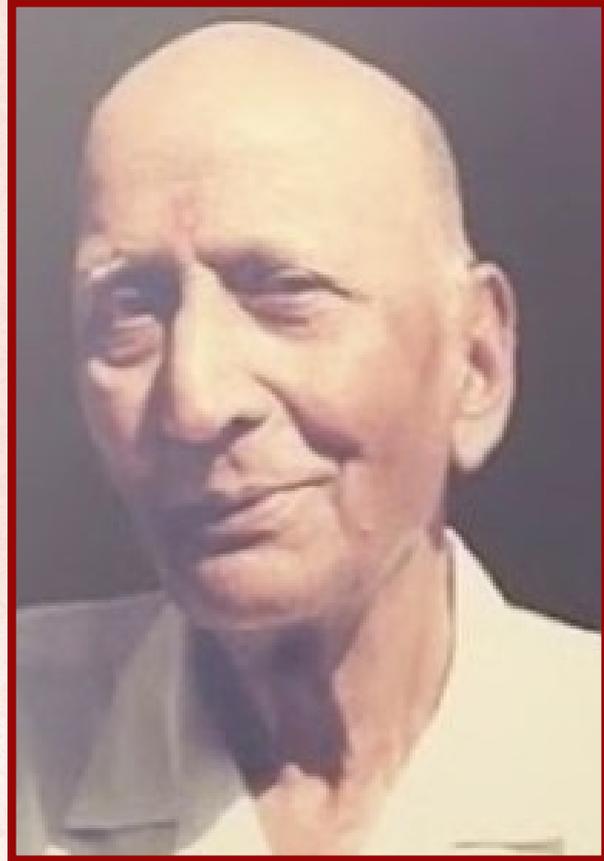
RAMDEVRAO HOSPITAL



NEWS LETTER

December 2024





**RAJA RAMDEVRAO
1906 - 2000
A LEGACY OF SERVICE AND SIMPLICITY**

Raja Ramdevrao was born in Wanaparthi, Mahboobnagar District, on the 16th of December 1906. He had his schooling at Madras and St. Georges Grammar School, Hyderabad.

He was a Director of many Industries like Sirpur Paper Mills, Sirsilk, Kirloskar Systems, Jayanthi Shipping Company, Torsion Products and Banks like State Bank of Hyderabad, The State Bank of India, The Reserve Bank of India and Industrial Development Bank of India and was President of the Local Board of the State Bank of India. He was a founder of the Sri Purendar Memorial Charitable Trust, to which he donated a large property on which is built the Pingle Venkatrama Reddy Hall, and the Chaitanya Memorial Education Society which runs Chaitanya Vidyalaya.

He was a deeply religious person without being immersed in the ceremonies and rituals of temples. He was averse to all the rituals attached to prayer and marriage and was reluctant to participate in them. He gave strict instructions that on his death no rituals should be performed and no functions were to be held. He asked that the poor be fed instead. He had the greatest respect for all religions. He was an ardent devotee of Sai Baba of Shirdi. He was a shy person and always stayed out of the limelight. At any function he sat at the back and was averse to publicity of any sort.

It is with immense pride and gratitude that we launch the inaugural edition of our newsletter, dedicated to celebrating the remarkable legacy of Raja Ramdevrao. Through this platform, we aim to share updates, achievements, and stories pertaining to our institution which are inspired by the values propagated by Raja Ramdevrao Garu and all his family members. Raja Ramdevrao's life is a guiding light for us, reminding us that true success lies in uplifting others and making a meaningful impact.

About Us!

Ramdevrao Hospital started as a unit of Sivananda Rehabilitation Home, in April 2002 with the the mission of Providing quality healthcare at affordable cost to the public.

Sivananda Rehabilitation home is involved in the care of Leprosy patients and their families for the past 6 decades. There is a Palliative care centre in the same campus providing care to the terminally ill cancer patients. There is also a center for treatment of children with blood cancer. All these services are provided free of cost and supported by liberal donations from generous public.

Ramdevrao hospital is now a 150 bed multispecialty hospital where almost all Services are being provided at a cost that is upto 30% less than the market rates. The hospital has adopted 8 government schools in their in area and carry out periodic health checks for all students and provide completely free treatment to the students, as and when required.

The management of the hospital has also issued upto 6000 families, who are economically backward 'Ramdevrao Rayati cards' which entitle them to Concessions of upto 50% on the cost of inhouse services. The concessions given over a year amount to approximately Rs 1.5 Cr.

In August 23 , The management realized the need for taking up a cancer prevention programme . They decided to provide HPV vaccine for cervical cancer prevention in women free of cost to all the girl students of their adopted schools and their Nursing college. In addition the general public are also given this vaccine at a subsidized rate.

Ramdevrao hospital continues to be in the forefront to offer their service to the Community. The quality of their services have been tested by teams coming from QCI, New Delhi and granted Accreditation in NABH Hospital Standards, NABH Nursing Excellence standards and the hospital also is adjudged as one of the first 100 hospitals in the country for implementing Digital Health Standards.

Looking ahead, Ramdevrao Hospital continues to expand its services and facilities to meet the growing needs of the community. Plans are underway to introduce new specialties and upgrade existing ones, ensuring that the hospital remains a sanctuary of healing and support for generations to come.

The enduring mission of Ramdevrao Hospital is clear: to provide high-quality, affordable healthcare while upholding the values of compassion, integrity, and excellence. This mission remains the guiding light for all who walk through its doors, whether as healthcare providers or recipients, fostering a healthier and more empathetic world for all.



The inauguration of the Kumudini Devi Outpatient Block in 2012 marked a crucial milestone for the community. This new facility aimed to improve healthcare services by providing modern equipment and additional space to cater to the increasing number of patients. Dignitaries and supporters gathered for the ribbon-cutting ceremony, celebrating the beginning of a new chapter in medical care.



In 2015, Ramdevrao Hospital launched a Dialysis Center through a partnership with Bhagawan Mahavir Dialysis Center. This aims to offer affordable and complimentary dialysis services to eligible patients.



In 2016, Ramdevrao Hospital partnered with the Hyderabad Race Club and established a specialized ophthalmology department to provide affordable services for qualifying patients. In 2019, Ramdevrao Hospital inaugurated a skill development center to offer training in various courses to eligible candidates. This Center continues to shape the future of healthcare, one skilled professional at a time.



In 2022, Ramdevrao Hospital inaugurated CT services for the community at significantly reduced costs compared to market prices. High costs often deter patients from seeking timely and necessary imaging services. Recognizing this barrier, Ramdevrao Hospital introduced CT services at significantly reduced costs, making them affordable for the broader community.

VISION

**QUALITY CARE
AT
AFFORDABLE COST**

MILE STONES IN 2023



Facility Expansion

In January 2023, Ramdevrao Hospital completed the construction of two additional floors. These new floors include an ICU, rooms, a ward, consultation rooms, pediatric ward, PICU, NICU and a blood center was inaugurated to meet the needs of the community. Administrative office rooms were also created to enhance employee comfort and convenience.



MICU

The inauguration of the new MICU with 16 beds at Ramdevrao Hospital marks a significant enhancement in the hospital's healthcare services. The state-of-the-art facility is equipped with advanced medical technology and designed to provide critical care to patients with severe life-threatening illnesses and injuries.



NABH Accreditation

Ramdevrao Hospital has achieved NABH accreditation, a prestigious recognition that signifies the hospital's commitment to quality healthcare and patient safety. This accreditation reflects the hospital's adherence to the highest standards of clinical care, organizational management, and patient-centric services.

The NABH accreditation certificate is received on 13th April 2023 with certificate No. H-2023-1162, Valid from 30th March 2023 to 29th March 2027. The accreditation process involved a thorough evaluation of the hospital's protocols, infrastructure, and clinical outcomes. Achieving this accreditation enhances the hospital's reputation, ensuring that patients receive reliable and high-quality medical care. This milestone underscores Ramdevrao Hospital's dedication to continuous improvement and excellence in healthcare services.



Ophthalmology

Ramdevrao Hospital has launched an evening Ophthalmology OPD (Outpatient Department) service, providing extended eye care consultations for the community. This new initiative aims to offer greater convenience to patients who are unable to visit during regular daytime hours due to work or other commitments.

The evening OPD is staffed by experienced ophthalmologist Dr. M. Harshavardhan to ensure comprehensive eye examinations and treatment. This service expansion demonstrates Ramdevrao Hospital's dedication to patient-centric healthcare, ensuring that more individuals can receive timely and specialized eye care.



ETO

Ramdevrao Hospital has launched an ETO sterilization facility, a significant step toward improving infection control and patient safety. The Central Sterile Services Department (CSSD) has been relocated to a larger area with designated zones, in line with strict protocols.

The facility is equipped with state-of-the-art sterilization equipment to clean, disinfect, and sterilize medical instruments and supplies. The ETO sterilization unit, designed to handle heat-sensitive medical devices, ensures thorough sterilization without damaging equipment.

This enhancement reflects the hospital's commitment to delivering high-quality healthcare and maintaining rigorous hygiene standards, leading to better patient outcomes and greater trust in our services. ultimately leading to better patient outcomes and increased trust in the hospital's services.



Canteen

Ramdevrao Hospital has renovated its canteen facilities by considering patients and visitors needs to improve the dining experience for its patients, staff and visitors. The upgraded canteen now boasts improved hygiene standards, and enhanced dining amenities, ensuring a more comfortable experience for all.

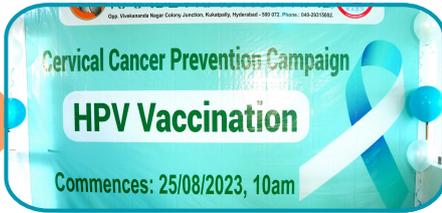
In a commendable initiative, the hospital has also started providing free meals to its patients. This initiative aims to alleviate the financial burden on patients and their families while ensuring that everyone has access to nutritious food during their stay. All admitted patients are eligible for free meals which includes breakfast, midmeal, lunch, dinner as per dietary advice. Our dedicated team of dieticians will customize meal plans based on dietary requirements and medical conditions and they will oversee meal preparation and distribution. This improved patient recovery rates due to better nutrition and increased patient satisfaction and trust in the hospital services. This dual effort of upgrading the canteen and offering free food highlights Ramdevrao Hospital's commitment to holistic patient care.



Independence Day

On August 15, 2023, Ramdevrao Hospital marked Independence Day by issuing "Rayati Cards" to 170 journalist families, covering 400 members. These cards provide a 50% discount on healthcare services, ensuring affordable medical care for journalists and their families. The hospital management praised journalists for their vital role in society and acknowledged the health challenges they face due to high-pressure work and irregular schedules.

This initiative acknowledges the important role journalists play in society and aims to make healthcare more affordable for them. The card covers services like consultations, tests, and treatments.



Cervical Cancer Prevention Campaign

Ramdevrao Hospital has launched a cervical cancer prevention campaign on 25th August 2023 aimed at raising awareness and promoting early detection and prevention of cervical cancer. The campaign will include a series of activities and initiatives designed to educate the community about the importance of regular screenings, HPV vaccination at subsidized price, and healthy lifestyle choices.

The campaign featured expert talks from Dr. K. Chayadevi - HOD Obs & gyn and Dr. P. Bhavani Divya - pediatrician, free screening tests, and HPV vaccination drives. Education about cervical cancer and HPV vaccine help women to understand the significance of early detection and the benefits of vaccination.

This initiative underscores Ramdevrao Hospital's commitment to women's and children's health and its proactive approach in combating cervical cancer through healthcare services. Ramdevrao Hospital initiated a free HPV vaccination program for school children in the schools it has adopted. This initiative is part of the hospital's ongoing commitment to promoting preventive healthcare and improving community health. This free HPV vaccination program underscores Ramdevrao Hospital's dedication to proactive healthcare measures. Understanding the critical importance of vaccination in combating this disease, the hospital is offering the HPV vaccine at a subsidized price to make it accessible to a larger segment of the population in the community. The subsidized HPV vaccination program by Ramdevrao Hospital highlights its commitment to preventive healthcare and community well-being. By making the vaccine more affordable, the hospital is playing a pivotal role in reducing the incidence of cervical cancer and safeguarding the health of future generations.



BLOOD CENTER INAUGURATION AT RAMDEVRAO HOSPITAL



Ramdevrao Hospital is delighted to announce the inauguration of its new Blood Center by Smt. J. Meerarao, Secretary, Ramdevrao Hospital on 15th November 2023. The inauguration marks a significant milestone in the hospital's ongoing efforts to enhance its services and ensure the availability of safe and reliable blood supplies for patients and the society.

The ceremony, graced by Smt. J. Meerarao, was attended by hospital staff, healthcare professionals, and community members. The newly inaugurated Blood Center is equipped with best technology for blood collection, processing, and storage. It adheres to the highest safety standards to ensure that all blood products are safe for transfusion. The facility aims to support the hospital's needs for routine and emergency blood supplies, as well as specialized treatments. The establishment of the Blood Center aligns with Ramdevrao Hospital's mission to provide high-quality healthcare and improve patient outcomes. The center's services will be pivotal in supporting critical medical procedures and enhancing overall patient care. The inauguration of the Blood Center represents a significant step forward in Ramdevrao Hospital's dedication to healthcare excellence and community service.

The Blood Center will play a crucial role in promoting voluntary blood donation through regular blood drives and educational campaigns. By partnering with local organizations, schools, and businesses, the center aims to foster a culture of altruism and community service. Ramdevrao Hospital successfully organized its inaugural blood donation camp at Synopsys Software Company, Kondapur on 15th December 2023. The event aimed to encourage and facilitate voluntary blood donation. The camp saw enthusiastic participation, 61 employees came forward to donate blood. The event was well-organized, with dedicated teams from Ramdevrao Hospital.



Ramdevrao Hospital provided medical support, including pre-donation screenings and post-donation care. The medical staff ensured that all donors were in good health and received proper care throughout the process. Overall, the camp was a commendable effort by Ramdevrao Hospital, showcasing the importance of blood reserves and fostered a culture of philanthropy within the community.

Straight from MD

Dear Ramdevrao Hospital Family,

As we turn the page to a new year 2024, I want to take a moment to express my deepest gratitude for the incredible commitment and compassion that each one of you has shown throughout the past year. The year 2023 was marked by both challenges and triumphs, and through it all, we remained steadfast in our mission to provide high-quality care to our community.

2023 was a year of profound impact. From expanding our services and investing in new technologies to deepening our outreach programs, we have touched more lives than ever before. We have seen remarkable progress in our clinical programs. We have advanced patient care with new technologies, improved protocols, and multidisciplinary collaborations. The lives saved, the recoveries made, and the comfort provided to countless families is all testaments to your hard work and expertise.

Thanks to the unwavering dedication of our doctors, nurses, support staff, and others, we've been able to restore health, and offer comfort during times of uncertainty. Whether it's through expanded services, or our community outreach programs, we have made a meaningful difference in the lives of so many.

I am especially proud of our not-for-profit mission. As a not-for-profit organization, every step we take is rooted in service. Every day, we demonstrate that healthcare is about more than business—it is about people. The care we provide goes beyond the walls of our hospital and extends into the community, reaching those who may otherwise have gone without. It is about the moments of compassion in difficult times, the expertise that saves lives, and the warmth of human connection that makes healing possible. I am incredibly proud of the work we have done together, and as we move into 2024, I am confident that we will continue to build on this legacy.

Looking ahead to 2024, I am excited about the opportunities we have to further strengthen our care delivery, continue investing in cutting-edge treatments, and expand our outreach to underserved populations. This year, we have ambitious goals: expanding our facilities and services, enhancing the quality of care to the patients, deepening our engagement with the community and continuing to make healthcare accessible to all, regardless of their financial situation. Our role as a not-for-profit hospital allows us to place patient well-being above all else, and I believe that together, we will continue to provide compassionate, quality care that meets the needs of every individual who walks through our doors.

I encourage all of us to stay focused on our shared mission as we move into the new year: to heal, to care, and to innovate. Together, we can navigate the challenges ahead, constantly striving to improve the quality of care we offer, Thank you for your resilience, your passion, and your commitment to our values of empathy, dignity, and respect for every person in our community. May 2024 bring us renewed energy, continued success, and countless opportunities to make a difference.

I wish each of you a healthy, prosperous, and fulfilling 2024. I am confident that 2024 will be another year of meaningful progress and lasting impact for our hospital and the people we serve. Together, we will continue to achieve remarkable things.



Dr. K. Kamalakar
Medical Director

From CEO's Desk

Dear Ramdevrao Hospital Family,

As we reflect on the past year, I am filled with immense pride and gratitude for the incredible strides we have made together at **Our Ramdevrao Hospital**. Our collective efforts have resulted in remarkable achievements, further solidifying our commitment to providing world-class healthcare services.

One of the most significant milestones this year was earning the prestigious NABH accreditation and the Nursing Excellence Certification, a testament to our unwavering dedication to the highest standards of patient care and safety. Additionally, we achieved Digital Standards Accreditation, underscoring our focus on embracing cutting-edge technology to enhance healthcare delivery.

We also expanded and upgraded our infrastructure to better serve our patients and families. This included the inauguration of advanced diagnostic services such as MRI and mammography, critical for early detection and precise treatment. The complete renovation of our Emergency Room (ER), canteen, ICU, and general wards has transformed these spaces into modern, patient-friendly environments that enhance comfort and care.

In our ongoing commitment to meeting the needs of our community, we introduced several new services this year, ensuring comprehensive and accessible healthcare for all. Each step forward is a reflection of the dedication and hard work of our exceptional team.

These accomplishments would not have been possible without the trust and support of our patients, the dedication of our staff, and the collaboration of our stakeholders. As we move forward, we remain steadfast in our mission to set new benchmarks in healthcare excellence.

Thank you for your continued trust and partnership in this journey. Together, we look forward to an even more successful and impactful year ahead.



Dr. N. Yobu
CEO



Dr. A P RANGARAO SKILL DEVELOPMENT CENTER

The Skill Development Center at Ramdev Rao Hospital has successfully restarted its operations post-COVID pandemic, resuming its mission to empower individuals with valuable healthcare skills. The center reopened with the Home Health Aide (HHA) course, which ran from January to March and saw the enrollment of 9 students. This course provided comprehensive training in home-based patient care, equipping participants with the necessary skills to support patients in a domestic setting. Upon completion, the students were offered job opportunities, enabling them to embark on their healthcare careers with confidence.

Following this, the center introduced a Phlebotomy course, conducted over a period of three months from April to June, where 3 students successfully completed the program. This specialized course focused on blood collection techniques, laboratory safety, and patient handling, preparing the participants for roles in diagnostic laboratories and hospitals.

From July to October, the center conducted a General Duty Assistant (GDA) course, which trained 4 students in fundamental patient care, bedside assistance, and maintaining a safe and hygienic healthcare environment. This program aimed to create skilled professionals who could effectively support nurses and doctors in hospital settings.

The Skill Development Center is proud to report that all students from these courses secured placements in reputed healthcare organizations, while some have opted to pursue higher studies, further advancing their knowledge and skills. This achievement reflects the center's commitment to nurturing talent and contributing to the growth of the healthcare sector.

With these programs, the Skill Development Center at Ramdev Rao Hospital continues to play a vital role in bridging the gap between education and employment, empowering individuals to build rewarding careers in healthcare and contribute meaningfully to society.

Dr. K. Kamalakar, Medical Director of Ramdevrao Hospital, has been honored with the prestigious "Most Promising Healthcare Leader in Administration and Management" award at the 14th Medgate Today India Healthcare Awards 2024. This accolade, presented by a distinguished grand jury panel, recognizes Dr. Kamalakar's exceptional leadership, vision, and contributions to healthcare administration. Under Dr. Kamalakar's guidance, Ramdevrao Hospital has witnessed significant advancements in operational excellence, patient care, and strategic healthcare management.

Most Promising Healthcare Leader



His innovative approach to fostering teamwork, and maintaining patient-centric practices has been instrumental in establishing the hospital as a beacon of quality care. The hospital community takes immense pride in this recognition and congratulates Dr. Kamalakar for this well-deserved honor.



Orientation program for future Healthcare Leaders



The students from the Administrative Staff College of India (ASCI) pursuing the Post Graduate Diploma in Hospital Management (PGDHM) visited the hospital for a comprehensive orientation program aimed at giving them firsthand exposure to the operational dynamics of a leading healthcare institution.

The orientation session, led by Dr. K. Kamalakar, Medical Director of Ramdevrao Hospital, provided valuable insights into the hospital's operations, quality care standards, and management strategies. Dr. Kamalakar emphasized the importance of understanding the healthcare management, particularly in the context of a hospital that focuses on delivering high-quality care at affordable costs.

During the orientation, the students toured various departments of the hospital, learning about the latest medical technologies, patient care practices, and the organizational structure that supports the hospital's day-to-day operations.



Dr. Srinivas Samavedam
President (Elect) - ISCCM, HOD, CCM-RH

ETHICAL AND LEGAL CHALLENGES IN THE IMPLEMENTATION OF AI IN CRITICAL CARE

About 60 years ago, Ledley et al described how machines/computers can aid a physician in medical diagnosis. Over the years artificial intelligence (AI) has been used to identify disease, define phenotypes and sub-phenotypes, predict disease evolution, guide clinical decision making, predict complications, and prognosticate. There is a fast-growing opportunity of utilisation of AI in critical care medicine. Yet understanding AI and its use at bedside has glaring concerns about its ethical and legal binding. The ethical and legal challenges involved its use in the ICU has limited its acceptance by the intensivist.

| Ethical challenges – | Legal challenges – |
|---------------------------------------|--------------------|
| Lack of situational awareness | Privacy protection |
| Lack of reproducibility | Informed consent |
| Medical paternalism & lack of empathy | Liability |
| Social bias | |
| Lack of transparency | |

ETHICAL CHALLENGES IN IMPLEMENTATION OF AI IN CRITICAL CARE

The challenges faced include the four principles of medical ethics – non-maleficence, beneficence, patient autonomy, and justice. Apart from this, the fifth principle for implementation of ethical AI includes the principle of explicability.

1- Lack of situational awareness: Situational awareness includes recognizing and understanding the relevant internal and external elements in an environment, along with its rapidly changing nature. Most AI based clinical decision support systems (CDSS) lack situational awareness and can lead to safety issues and accidents, in a complex and dynamic environment like in an intensive care unit. Most of the AI driven tools, provide partial automation solutions and hence complete safety and accountability cannot be assured. In a critical care environment, dealing with dynamic, rapidly fluctuating and life-threatening situations, this can be associated with changing a treatment strategy and will directly impact patient mortality. This violates the ethical principle of non-maleficence.

2- Lack of reproducibility / Risk of Bias: Current critical care datasets are clinically generated and retrospective, without external validation. Most medical AI tools lack adequate external validation, prospective and randomized trials and multisite evaluations. A systematic review analyzed studies comparing medical imaging algorithms performance and found 10 randomized trials and 81 non randomized (9/81 prospective and 6/81 tested in real world setting) trials. 58 out of 81 studies had a high risk of bias, with < 50% adherence to reporting standards. The retrospective data used for generation of deep learning systems may have been collected for other uses and may have selection and ascertainment bias, often leading to spurious associations.

A case study comparing the performance of a mortality prediction model – the Medical Information Mart for Intensive Care, reported a high heterogeneity and discrepancy in about half the experiments. This stresses the need for cleansing the data, and cohort selection with more transparency of model design and methodology to improve performance of the model. This violates the ethical principle of beneficence.

The data often collected may have missing numbers and information – which may need to drop that associated data information or the entire patient information. This may often lead imputing appropriate numbers based on assumptions and can lead to systematic bias.

Also collecting large data from different countries lack uniformity, due to practice variability, use of different monitoring and treatment modalities across centers, variable indications and timing for monitoring and intervention, varied measurement standards and can create minor discrepancies to major errors in data standardization. To help integrate large clinical and physiological data series in critical care medicine and exchange and integration of information across multiple centers, a flexible standard exchange format has been created by researchers from USA and Canada - Hierarchical Data Format-Version 5 (HDF5).

3- Reemergence of Medical paternalism and Lack of Empathy: A patient doctor relationship is an empathetic connection and in itself has a therapeutic role, regardless of the treatment options available and the outcome. Though AI can work infatigably, the expectation of AI to simulate empathy is far fetching.

Any clinical decision at the bedside is a shared decision between the doctor and the patient and often takes into consideration various social factors, patient values, expressed patient desire and these factors are more significant in the intensive care setting, where often such decision making is difficult with limited therapeutic options. The unexplainable aspect of the AI generated treatment option, leads to failure to provide complete information to the patient and his/her involvement in shared decision making. AI takes paternalistic decisions, based on the extensive data rather than providing personalised inputs.⁶ This violates the ethical principle of patient autonomy.

4- Social Bias: Social bias is the worst kind of bias which occurs with use of AI. These biases may be inadvertently incorporated in the algorithm by overlooking cultural beliefs and environmental considerations. The availability of electronic health records (EHRs) are itself confounded by widened real world inequality between the developed and the developing countries. The unavailability of data from the under-represented population can lead to health risks. For instance, in the US an AI model allocated lesser resources to the Black patients because the historical data showed that they had lesser chances of survival, which was due to the worse medical care received by them and other social inequities historically, and not because they needed lesser care. This violates the ethical principle of justice. Regulatory policies and guardrails need to be developed and designed to prevent marginalization of non-represented population – the ones disproportionately burdened by disease.

5- Lack of transparency: The 'black box' problem of AI leads to lack of trust on machine learning systems. Failure to understand the underlying reasoning of AI models leads to mistrust of the clinicians to accept the predictions of the AI algorithms, and also a failure to identify the specific individuals in whom the predictions may be incorrect. This can lead to lack of safety, not being patient centered and adds to the patient's psychological burden.

In critical care medicine, any intervention is associated with rapid change in the clinical condition and is associated with deterioration and mortality. This adds to the fear of intensivists in accepting the AI models with hidden and complex computation algorithms. This violates the fifth ethical principle of explicability.

LEGAL IMPLICATIONS IN IMPLEMENTATION OF AI IN CRITICAL CARE

Use of AI in critical care is complex with various legal considerations, as the patient data collection, storage and integration to develop tools for use at bedside, usually involves a third party.

1- Privacy protection: Constructing AI algorithms requires robust and reliable patient data and finding the balance between sharing data for use with maintaining privacy and confidentiality is equally important. Collateral data leakage can be a major threat to patient privacy. Anonymized, permissions from patient and attempts to harmonize the data can help. A careful implementation of governance policies to assure privacy, balanced with technical de-identification solutions, can help adhere to legal, ethical, and privacy laws and regulations. (e.g., Health Insurance Portability and Accountability Act in the USA and General Data Protection Regulation (GDPR) in the EU).

AI algorithms are generated from huge data sets shared by health systems. Most countries have legalized sharing un-identified patient data with technology companies and patient permission isn't required. Countries like China have fewer restrictions on sharing data.

The Society of Critical Care Medicine and European Society of Intensive Care Medicine have formed a Joint Data Science Task Force Team to create a large-scale databases from different sources, by de-identifying personal data, and using an external review process. The Task force ensures to abide by the legal considerations of the GDPR in Europe and privacy regulations of the USA.

2- Informed consent: As per current standard of care, every patient has the right to know about the assessment and insights of the clinician in the decision making and why a particular treatment modality was chosen and suggested, as well as the benefits and risks involved with the modality being used.

However, use of informed consent to use AI applications for clinical decisions is a matter of debate. It is yet unclear to what extent should the patient be informed about the complexities of AI tool being used, the kind of data used and biases and shortcoming of the software, especially in an emergency situation. It is unclear, whether it is necessary and feasible to inform a patient how the AI tool helped to reach a particular decision in the care of the patient, especially its functionality and algorithms used, the decision trees and the impact of the product on the patient outcomes. Currently no legal binding about any clarity about the automated decision seems to exist, however sufficient transparency should be maintained about the use of AI tool, and about the significance and possible impact and consequences of the clinical decision made.

3- Liability and accountability for error: The adoption of AI in clinical decision-making introduces complex questions about liability and accountability when errors occur. While AI systems may enhance diagnostic accuracy and treatment planning, they are tools that require careful oversight. Clinicians are expected to critically evaluate AI-generated recommendations, integrating them into their broader clinical judgment. If an AI system under-performs or leads to an erroneous decision that harms a patient, the clinician may still be held liable for malpractice under the premise that they did not exercise the requisite standard of care.

This liability underscores the importance of maintaining human expertise and vigilance, ensuring AI recommendations are validated against clinical knowledge and patient-specific factors. Furthermore, as AI is not yet considered the standard of care, its use remains supplementary, enhancing but not replacing traditional practices. Clinicians must document their rationale for accepting or overriding AI recommendations to demonstrate due diligence. As the integration of AI evolves, medical and legal frameworks must adapt to clearly delineate accountability between human operators and AI systems, particularly in cases of adverse outcomes.

CURRENT GOVERNANCE POLICIES IN VARIOUS COUNTRIES:

Regulatory agencies of various countries are working to provide solutions to achieved safety and quality of performance of medical AI tools/devices. The technological progress is however moving faster than the development of these regulations and it is worried that very stringent regulations may be deterrent to the growth of technology of machine learning and automation.

In India, the Indian Council of Medical Research (ICMR) has prepared guidelines to apply AI based tools for its application in health care. The extensive guidelines of 78 pages are comprehensive and are applicable not only to health care professionals, but also researchers, technology developers and lay persons. With this document, the Indian Government has attempted to streamline use of AI technology in healthcare. The Digital Information Security in Healthcare Act (DISHA) 2018 has laid regulations to standardize the collection and use of digital health data, and to maintain data privacy, security and reliability. The 2020 amendment of Medical Device rule includes any AI software intended for medical use.

The US-FDA requires pre-market review of the AI Clinical decision support which meets the definition of a medical device, along with post-market surveillance, to monitor its safety and effectiveness in real-world use. This process can delay the release of the technology and also does not guarantee safety. The European Union Medical Device Regulation developed a separate regulation focusing on AI and risk classifies software in rule 11, depending on the intended use defined by the manufacturer, and will require clinical evaluation to verify the safety compliance.

CHARTING THE PATH AHEAD

Use of AI is rapidly emerging in critical care, however it application has its own unique challenges and limitations. Intensivists are skilled to take timely decisions under challenging circumstances, and following medical ethics and law. The AI based models are expected to have the same skill and competency to aid shared decision making under circumstances of pressure, in accordance with the regulations and ethics.

To achieve this, we intensivists are responsible for ongoing training and education of the process of machine learning and its ethical use in shared decision making. Professional societies can help collaborate between clinicians and AI developers, for better integration of data, deeper understanding of clinical aspects and tailored to individual needs of the patient. Development of regulations to maintain privacy, to include accurate, diverse and comprehensive data, to allow more transparency of the AI algorithms, and to ensure quality control of the tool is important.

However, it is important to remember that AI cannot replace the expertise of an intensivist at the bedside, who plays a major role in maintaining the patient dignity and the principle of Primum non nocere —"first, do no harm"

CANCER PREVENTION DAY RALLY

On the occasion of World Cancer Prevention Day on February 4, 2024, a 5K rally was organized under the auspices of Ramdevrao Hospital. The rally began at the hospital, proceeded to KPHB Colony, and concluded at the hospital near the Vivekananda Nagar. Doctors, nurses, and all hospital staff actively participated in the rally, holding placards and raising slogans.

Hospital management, including Sri Vikramdev Rao, Meera Rao, Prashant Reddy, and Aparna Rao, announced their plan to adopt eight government schools and provide free cervical cancer vaccines to students. They stressed the need for greater cancer awareness among the public.

The hospital's Medical Director, Dr. Kamalakar, CEO, Dr. N. Yobu, and other doctors, including Dr. Chayadevi, Dr. Sudha Sinha, and Dr. Pramodini, took part in the program.



WORLD KIDNEY DAY

On the occasion of World Kidney Day on 14th March, Ramdevrao Hospital hosted an informative event attended by doctors, patients, and their attendants. The program, organized under the direction of Dr. Kamalakar, the Medical Director, featured key contributions from various hospital staff.

Dr. K. Chayadevi, the Head of Obstetrics & Gynecology, spoke about how early precautions can prevent kidney problems.

Dr. N. Yobu, the CEO, emphasized the crucial role of family support in the survival and well-being of dialysis patients.

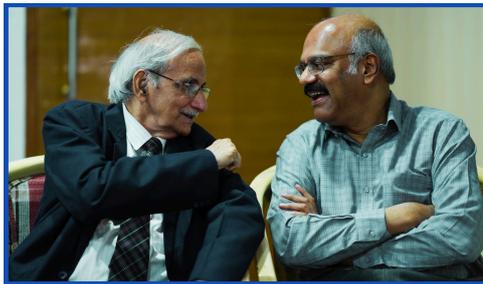
Ms. Akhila Bhogaraju - HOD, Dietetics provided guidance on appropriate diets for kidney patients, supported by a digital presentation from team members Ms. Glory Evangeline and Ms. Sanjana, which was well-received by attendees.

Ms. N. Meri - Nursing Superintendent, addressed the importance of nursing care for dialysis patients, offering practical advice on dialysis precautions that was highly valued.

The event also saw participation from Dr. Ranganath - Nephrologist, Medical Officers: Dr. N. Lavanya, and Dr. B. Raghavendra, along with Bhagwan Mahavir Dialysis Center administrative and Technical staff. Their collective efforts made the program a grand success.

NATIONAL CONFERENCE

The team of Ramdevrao hospital led by Dr. Kamalakar took active part in the organization of a national conference by the dept. of hospital administration, Gandhi Medical College & Hospital, Hyderabad. Amidst the bustling halls of HITEK Hyderabad, from March 6th to March 7th, 2024, healthcare professionals and enthusiasts gathered for the esteemed Health Accord 2.0 conference organized by Gandhi Hospital.



Dr. K. Kamalakar, MD, was a member of both the Scientific Committee and the Organizing Committee. He chaired one of the sessions and also delivered a talk titled "Risk Management in the Health Care Sector".

Among the distinguished presenters were Mr. Kranti Kumar, GM - Quality, and Ms. Bharathi, Manager, who represented Ramdevrao Hospital, with an insightful poster presentation.

The spotlight was on their meticulous research titled "Cost Analysis of Operation Theater Services in a Private Hospital." This comprehensive study delved into the intricate details of managing operation theater services of a private healthcare facility. Their findings illuminated crucial aspects of cost management, efficiency enhancement, and quality assurance strategies tailored specifically for operation theaters. Mr. Kranti Kumar and Ms. Bharathi captivated their audience with a compelling visual display that showcased not only their findings but also practical recommendations aimed at optimizing resources while maintaining high standards of patient care.



The event featured insightful keynote speeches, interactive panel discussions, and workshops on cutting-edge topics such as digital health integration, patient-centered care, and sustainable healthcare models. Renowned experts shared their perspectives on leveraging technology to enhance care delivery while addressing challenges such as resource constraints, workforce shortages, and health inequities.

One of the highlights of the conference was a session on risk management healthcare sector by our medical director, Dr. K. Kamalakar in the , emphasizing proactive measures to improve patient safety and mitigate potential liabilities. The session provided actionable strategies for integrating risk management frameworks into clinical practice and hospital administration.

The conference reinforced the importance of collective efforts in advancing the health sector, ultimately working towards a healthier and more equitable future for all.

INTERNATIONAL NURSES DAY CELEBRATIONS



Ramdevrao Hospital celebrated International Nurses Day with great enthusiasm and respect, recognizing the invaluable contributions of nurses in delivering exceptional patient care.

The event was graced by Mrs. Lakshmi Kamalakar, Therapy Grandmaster Rekha, and the hospital's CEO, Dr. Yobu. Speaking on the occasion, the guests highlighted that the services provided by nurses are selfless, which is why nursing is considered a noble profession. They remarked that honoring nurses is equivalent to honoring God. They added that Ramdev Rao Hospital has always been a step ahead in such endeavors and has been celebrating International Nurses Day in a grand manner for the past 16 years.

The hospital's Medical Director, Dr. Kamalakar, encouraged the nurses at Ramdevrao Hospital to take inspiration from great figures like Florence Nightingale, Mother Teresa, and Sister Nirmala and to follow in their footsteps. He stated that respecting elders is a virtuous practice in Indian tradition.

On this occasion, the hospital management felicitated retired nurses, including Sisters Daivakumari, Rahel, Sujavati, Helen and Mary Prashanthi, in recognition of their exemplary service. Nurses from the hospital, Sivananda Rehabilitation Home, and faculty and students of Kumudini Devi Nursing College were also honored during the event.

Doctors, administrative staff, and other employees of the hospital actively participated in this celebratory program.

CERVICAL CANCER ELIMINATION INITIATIVE BY WHO 90-70-90

Cervical cancer ranks as second most frequent cancer among women in India it accounts for 23% of new cases diagnosed every year. Around 200 deaths occur per day - about one death occurs every 8 minutes. Cervical cancer is the first non-communicable disease to be targeted for elimination. This is possible because vaccines are available to tackle the causative HPV virus, mostly HPV 16<18 also highly effective screening strategies are available.

Hence cervical cancer is a completely preventable disease with vaccination, screening & early detection. It has over 93% cure rate. An ambitious and inclusive strategy has been developed by who to guide the elimination of cervical cancer as a public health problem.

In May 2018 WHO dg announced a global call for action to eliminate cervical cancer in 2020 WHO assembly adopted the global strategy for cervical cancer elimination.

The target is, all countries must reach & maintain an incidence rate of below 4 per 1,00,000 women.

Achieving the goals rests on the following three key pillars

- Vaccination – 90% of girls fully vaccinated with HPV vaccine by the age of 15years.
- Screening 70% of women, using high performance tests by the age of 35years and again by the age of 45years.
- Treatment of 90% of women with precancer and 90% of women with invasive cancer managed at an early stage.

Each country should meet 90-70-90 targets by 2030 to get on the path to eliminate cervical cancer within the next century.

This strategy is being followed all over India, under the guidance of FOGSI with the slogan **“CANCER MUKTH BHARATH”**.

Ramdevrao hospital is actively participating in this program.

In the first step-vaccination was started on August 25th 2023 (our hospital annual day) till now we have completed 1500 vaccinations.

The second and third steps have started recently,

In second step – we are screening patients over 30 years of age until 65 years. For screening procedures, we are following the HPV co-testing, which involves HPV DNA testing along with liquid-based cytology (pap smear).

Negative results indicate that patient is not HPV positive at present and the tests repeated in next 5 years.

When co-test is abnormal, the patient is subjected to colposcopy and appropriate treatment given to eliminate the precancerous lesion. This ensures all screened positive women are managed without delay using screen & treat approach - by thermal ablation or cryotherapy.

If the incidence of cacx 4 per 1,00,000 women is achieved by 2030 median cervical incidence rate will fall by 42% by 2045, 97% by 2120 and 62 million deaths will be averted by 2120 all over the world.





**“A Healthy Society through Yoga”
“Everyone Should Make Yoga a Habit”**



**“Learn Yoga and Teach Ten Others”
- Ramdevrao Hospital
CEO, Dr. Yobu**



Practicing yoga not only enhances health but also prevents diseases, stated the doctors at Ramdev Rao Hospital. On International Yoga Day, the hospital conducted a yoga training session for Kumudini Devi College of Nursing students to raise awareness about the importance of yoga.

Students, doctors, and hospital staff actively participated in the event. Dr. Kamalakar, Medical Director, encouraged everyone to adopt yoga as part of their daily routine, while Principal Ms. Archana Morey urged students to make yoga a lifelong habit for its numerous benefits.

Dr. Sumitra discussed how yoga and pranayama could help manage kidney-related ailments, and Dr. Lavanya guided participants through prayers and yoga exercises.

Dr. G. Shruti emphasized the benefits of yoga during pregnancy, noting that regular practice supports maternal and fetal health and increases the likelihood of natural deliveries.

Dr. Yobu, CEO highlighted yoga’s role in promoting mental peace and preventing unhealthy habits, urging everyone to make it a part of their lives.

Green Champion Awards: Excellence in Environmental Responsibility



The Telangana State Pollution Control Board (TSPCB) proudly presented the prestigious Green Champion Awards on the occasion of the World Environment Day on 5th June 2024 to honor organizations making outstanding contributions to environmental protection and sustainability. Among the winners, Ramdevrao Hospital stood out for its remarkable achievements in the Biomedical Waste Management category for private hospitals.

Ramdevrao Hospital was recognized for its exceptional commitment to managing biomedical waste responsibly, adhering to stringent environmental standards, and implementing sustainable practices in healthcare operations. The hospital’s efforts reflect its dedication to minimizing environmental impact while ensuring the safety and well-being of its patients, staff, and the broader community.

Ramdevrao Hospital Embarks on Professional Development Initiative with IDCCN Course

Ramdev Rao Hospital is proud to announce its registration for the Indian Diploma in Critical Care Nursing (IDCCN) course, securing four seats after a successful inspection. This initiative reflects the hospital's commitment to the professional growth of its employees.

To create a clear career path, the hospital held an entrance exam for B.Sc.-qualified staff and selected four employees based on their exam results to join the IDCCN course.

The selected candidates will be trained under the guidance of Dr. Srinivas Samavedam, Head of Critical Care Medicine, with support from Dr. Smita and Dr. Sai Druthi, Critical Care Medicine consultants.



COLPOSCOPY SERVICES AT RAMDEVRAO HOSPITAL

Ramdevrao Hospital has launched colposcopy services to improve women's healthcare. The new equipment, installed by the Obstetrics and Gynecology team, enhances the hospital's diagnostic capabilities.

Colposcopy helps examine the cervix, vagina, and vulva for signs of disease, aiding in the diagnosis of conditions like abnormal Pap smears and HPV infections. This service ensures accurate diagnoses and timely treatment for women.



WORLD FOOD SAFETY DAY CELEBRATIONS

As part of World Food Safety Day celebrations, Ramdevrao Hospital organized a training session to educate patients, families, and staff on healthy eating habits and food safety.

Dietitians ensured that patients received safe, nutritious meals tailored to their recovery. Using the "Five Keys to Safe Food," hospital staff provided training on proper food handling, storage, and preparation. The same was published in FAO/WHO and Codex publications.



Ramdevrao Hospital Achieves NABH Nursing Excellence Certification

Ramdev Rao Hospital proudly celebrated a remarkable milestone in its journey of healthcare excellence—the achievement of the prestigious NABH Nursing Excellence Certification. This recognition underscores the hospital's unwavering commitment to delivering the highest standards of nursing care, patient safety, and organizational efficiency.

The NABH (National Accreditation Board for Hospitals & Healthcare Providers) Nursing Excellence Certification is a hallmark of quality that signifies adherence to rigorous standards in nursing practice, education, and administration. It is a testament to the hospital's dedication to fostering a culture of continuous improvement and maintaining the best practices in patient care.

The certification process involved a comprehensive evaluation of various aspects, including nursing protocols, staff training, patient safety measures, and operational efficiency. Ramdev Rao Hospital's nursing team demonstrated exceptional skill, professionalism, and a patient-centric approach, which played a vital role in securing this prestigious accreditation.

To commemorate this achievement, the hospital organized a grand celebration attended by its leadership, medical staff, nursing team, and other employees. The event highlighted the invaluable contributions of the nursing department in upholding the hospital's reputation as a leader in healthcare delivery. The management extended heartfelt congratulations to the nursing staff for their dedication and tireless efforts in achieving this significant milestone.

Speaking at the celebration, the hospital's Medical Director, Dr. Kamalakar, expressed his pride in the nursing team and emphasized the importance of their role in ensuring patient care and safety. The CEO, Dr. Yobu, reiterated the hospital's commitment to maintaining and further enhancing the standards that earned them the certification.

This achievement marks a new chapter in Ramdev Rao Hospital's journey toward healthcare excellence. The NABH Nursing Excellence Certification not only validates the hospital's dedication to quality but also inspires the entire team to continue striving for the highest standards in patient care and organizational growth.



Under the theme "Healing Hands, Caring Hearts," Ramdev Rao Hospital celebrated the first anniversary of its cervical cancer vaccination drive with an awareness run and walk. Dr. Chaya Devi highlighted the program's success, with 2,500 people vaccinated in a year, including free doses for 1,500 children. The event brought together staff and students in a shared commitment to health and wellness.

5K RUN / WALK by Ramdevrao Hospital

General Surgeon Dr. Srinivasulu Pachamathla emphasized the role of healthy staff in fostering a healthier society and encouraged regular exercise for all. Medical Director Dr. Kamalakar urged expanding the vaccination program and promoting daily physical activity for overall well-being. CEO Dr. Yobu expressed gratitude to everyone supporting the program and acknowledged the contributions of participants and organizers in making the event a success.



IMPORTANCE OF INCIDENT REPORTING

“To error is human, to cover up is unforgivable, and to fail to learn is inexcusable.” - Prof Liam Donaldson

In the UK National Health Service (NHS) it is believed that a serious adverse event or critical incident occurs in up to 10% of all hospital admissions. That amounts to about 850,000 adverse events per year and costs the NHS billions of pounds every year in increased hospital costs, treatments and litigation. The World Health Organization (WHO) estimates that, worldwide, 20–40% of all health care spending is wasted due to poor quality care.



Mr. Kranti Kumar V
GM - Operations

In any healthcare environment, ensuring patient safety and maintaining high standards of care are cardinal. To achieve these goals, the effective reporting of incidents is crucial. An incident can range from a near-miss error to a serious adverse event, and each instance provides valuable insights into potential risks, system failures, and opportunities for improvement within the healthcare facility. Here is why reporting incidents is so crucial:

- 1. Patient Safety:** The primary reason for incident reporting is to safeguard patient safety. By documenting and analyzing incidents, healthcare providers can identify patterns or recurring issues that may pose risks to patients. Early detection allows for interventions to prevent harm before it occurs.
- 2. Quality Improvement:** Incident reports serve as a foundation for quality improvement initiatives. They highlight areas where protocols or procedures may need revision or enhancement. Continuous learning from incidents fosters a culture of improvement and innovation within healthcare teams.
- 3. Legal and Regulatory Compliance:** Many healthcare facilities are obligated by law or regulatory bodies to report certain types of incidents. Compliance with reporting requirements ensures that the facility operates within legal frameworks and meets regulatory standards, thereby avoiding penalties or legal repercussions.
- 4. Staff Education and Training:** Incident reports provide valuable opportunities for staff education and training. They can be used as case studies to illustrate potential risks, improve awareness of safety protocols, and enhance skills in handling similar situations in the future.
- 5. Risk Management:** Effective incident reporting is a cornerstone of risk management in healthcare. Identifying and addressing risks promptly reduces the likelihood of future incidents and mitigates potential liabilities for the healthcare organization.
- 6. Organizational Learning:** Each reported incident contributes to the collective knowledge base of the healthcare organization. Analyzing trends and patterns from incident reports enables organizations to implement systemic changes that improve overall patient care and operational efficiency.

7. Building Trust and Transparency: Transparent reporting of incidents demonstrates accountability and builds trust among patients, families, and the broader community. It reassures stakeholders that the healthcare facility is committed to learning from mistakes and continuously striving for safer care practices.

8. Professional Development: Healthcare professionals benefit personally and professionally from the reporting and analysis of incidents. It encourages critical reflection on practice, promotes teamwork in problem-solving, and enhances communication among multidisciplinary teams.

9. Early Intervention and Prevention: Incident reporting facilitates early intervention in potential risks and hazards. By identifying and addressing contributing factors promptly, healthcare providers can prevent incidents from escalating and minimize harm to patients.

10. Ethical Imperative: Ultimately, reporting incidents is an ethical responsibility of healthcare professionals. It aligns with the principles of beneficence and non-maleficence, ensuring that patient welfare remains the central focus of healthcare delivery.

In conclusion, the importance of reporting incidents in healthcare settings cannot be overstated. Incident reporting serves as a cornerstone of patient safety by identifying potential risks, hazards, or lapses in care before they result in harm. It fosters a proactive approach to addressing vulnerabilities within the system, enabling healthcare providers to mitigate risks and prevent recurrence. Furthermore, robust incident reporting and analysis are essential for driving quality improvement initiatives. By examining reported incidents, organizations can uncover systemic issues, refine protocols, and implement evidence-based strategies to enhance care delivery.

Equally important, incident reporting nurtures organizational learning. It provides an opportunity to learn from errors and near misses, transforming them into valuable lessons for the entire team. When healthcare facilities cultivate a culture that prioritizes open communication and non-punitive incident reporting, they empower staff to share information without fear of blame or retribution. This collaborative environment promotes shared responsibility and continuous learning, ultimately strengthening the organization's ability to provide safe, effective, and patient-centered care.



Excellence in Digital Health & Patient Safety

On September 17, 2024, Ramdevrao Hospital participated in the prestigious National Patient Safety Conference held in Delhi. The event, organized to highlight advancements in healthcare quality and safety, saw the hospital being felicitated by the National Accreditation Board for Hospitals and Healthcare Providers (NABH) for its early adoption of digital health standards and achieving the accreditation.

The recognition underscores Ramdevrao Hospital's commitment to integrating advanced digital health practices, ensuring patient safety, and delivering quality care.

Following the honor, the President and members of Ramdevrao Hospital acknowledged the dedicated efforts of the staff involved in the accreditation process. Appreciation certificates were awarded to the employees who played a pivotal role during the NABH digital health standards inspection.

This achievement reaffirms Ramdevrao Hospital's position as a leader in healthcare innovation and safety, reflecting its vision of excellence in patient care and continuous improvement.





Ramdevrao Hospital's Extramural Activities: Promoting Health and Community Welfare in 2024

Ramdevrao Hospital has been at the forefront of community health and welfare in 2024, conducting a series of impactful extramural activities aimed at promoting healthcare awareness and accessibility. Among these initiatives were several blood donation camps held at prominent locations, including Nexa Showroom, Varun Motors, Annapurna Studios, and Pullareddy Institute of Pharmacy.

These camps saw enthusiastic participation from volunteers, reflecting the hospital's commitment to encouraging lifesaving acts of kindness.

In addition to blood donation drives, Ramdevrao Hospital extended its support to organize health checkup camps for children at various schools, including adopted schools under its care. These camps provided essential health assessments and promoted awareness of preventive healthcare measures among students and their families. The hospital's proactive approach in these initiatives underscores its dedication to building a healthier and more informed community.

Through these efforts, Ramdev Rao Hospital has reaffirmed its role as a pillar of community health, fostering partnerships and spreading the message of wellness across all sections of society.

Celebrating Milestones and Achievements at Ramdevrao Hospital!!



Dr. P. Srinivasulu

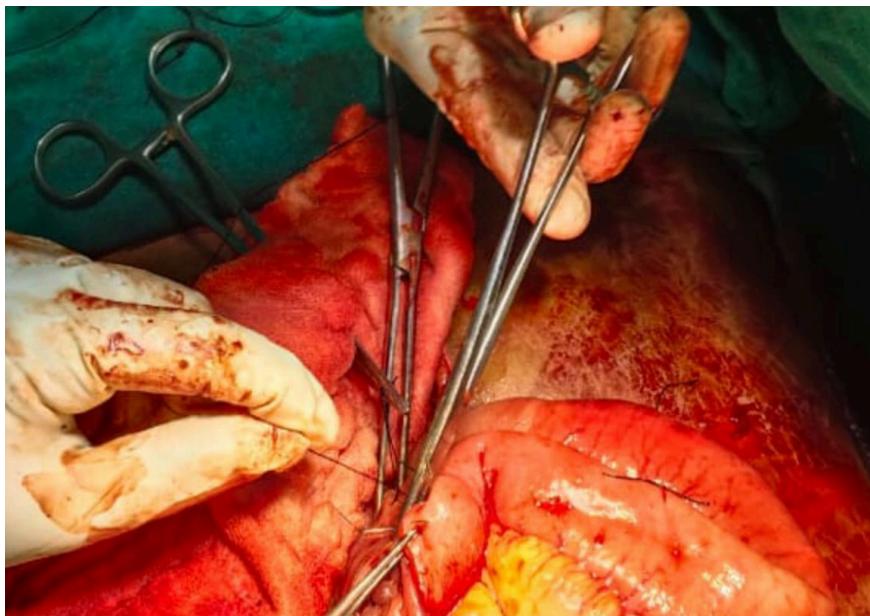
Consultant,
General Surgery

Warm wishes to all!

As I celebrate my 7th year with Ramdevrao Hospital, I am filled with gratitude for the continued support from our management and staff. Over this journey, I have had the privilege of handling 3,518 cases, including 550 laparoscopic procedures and 380 major GI surgeries.

I humbly dedicate this achievement to my supportive team and the management, especially Dr. Kamalakar, who has always been there for me, ensuring all the necessary logistics were in place.

May Ramdevrao Hospital continue to grow and thrive, fulfilling its mission of providing "Quality Care at Affordable Cost" to all.



An Interesting Case:

One of the notable cases I handled was that of a 24-year-old male who presented with chronic abdominal pain, often aggravated after meals.

Upon performing a diagnostic laparoscopy, we discovered thickened small bowel loops with sluggish peristalsis but no luminal compromise, which explained the multiple normal imaging results. We proceeded with resecting the affected part of the small bowel and performed a Gastrojejunostomy with Roux-en-Y jejunojunal anastomosis. The resected bowel was sent for histopathology, which confirmed a diagnosis of Eosinophilic Enteritis, a rare fibrosing disorder of the small bowel.

The patient is now doing well, having gained weight and remaining in regular follow-up for the past three months.



Launch of MRI and Mammography Services

Ramdevrao Hospital proudly announces the inauguration of its state-of-the-art MRI and Mammography services, a significant milestone in advancing the hospital's diagnostic capabilities. These cutting-edge technologies are designed to ensure accurate, early detection and improved health outcomes for our patients.

The MRI (Magnetic Resonance Imaging) system provides detailed imaging of soft tissues, making it indispensable for diagnosing a range of conditions, including neurological, musculoskeletal, and cardiovascular disorders. On the other hand, the Mammography service focuses on breast cancer detection, emphasizing the hospital's commitment to women's health and early intervention strategies.

Dr. K. Kamalakar, Medical Director of Ramdevrao Hospital, highlighted the importance of integrating advanced technology into patient care, reiterating the hospital's mission of delivering "Quality Care at Affordable Cost." He expressed his enthusiasm for how these new services will enhance the hospital's ability to provide comprehensive, timely, and accurate diagnoses for the community.

The launch of MRI and Mammography services underscores Ramdevrao Hospital's dedication to continually improving healthcare standards and meeting the evolving needs of patients. These advancements not only strengthen our diagnostic infrastructure but also reaffirm our commitment to offering accessible, world-class healthcare to all.

ARTIFICIAL INTELLIGENCE IN RADIOLOGY

Artificial Intelligence (AI) has emerged as a transformative force in radiology. Machine learning algorithms and deep learning models are increasingly being integrated into imaging systems to assist radiologists in interpreting complex data. AI algorithms can analyze medical images to detect lesions with high accuracy.

For example, AI-powered tools have been developed to identify early signs of lung cancer from CT scans or to assess breast density in mammograms, enhancing early detection and diagnosis. Furthermore, AI can streamline radiological workflows by automating routine tasks such as image segmentation and annotation, which allows radiologists to focus on more complex cases and reduce diagnostic errors.



By leveraging AI, radiologists can also generate quantitative metrics that aid in monitoring disease progression and treatment efficacy, providing more personalized care. The recent advancements in radiology represent a leap forward in medical imaging and diagnosis. With enhanced imaging technologies, the integration of AI, improved diagnostic accuracy through multimodal imaging, and advancements in interventional techniques, radiology continues to evolve rapidly. As technology continues to advance, the future of radiology promises even more transformative changes, further bridging the gap between early detection and effective treatment.

AI is designed to assist radiologists rather than replace them. AI excels at automating repetitive tasks, such as image analysis and detecting common abnormalities, allowing radiologists to focus on more complex cases, patient interaction, and clinical decision-making. AI tools can act as a “second opinion” or help with triaging and prioritizing cases, but they require human oversight to interpret complex findings, account for clinical context, and make final decisions.

Radiologists bring valuable expertise in interpreting imaging results in conjunction with patient history, symptoms, and other diagnostic data. While AI can identify patterns in images, it lacks the ability to understand the full clinical picture, make nuanced decisions, or consider the emotional and ethical aspects of patient care. While AI algorithms are becoming very good at detecting common conditions (like breast cancer or lung nodules), they still have limitations, particularly with complex or ambiguous cases. AI also depends on large, high-quality datasets for training, which can introduce biases if the data is not diverse or representative.

In some cases, AI may miss small or subtle abnormalities that a human radiologist would detect. Radiologists often engage in direct communication with patients and collaborate with other healthcare professionals to determine the best treatment. This human interaction and the ability to discuss treatment options, explain diagnoses, and make decisions based on a patient’s preferences and clinical history are aspects AI cannot replicate.

AI will not replace radiologists, but it will significantly change their roles and workflows. By automating routine tasks and augmenting diagnostic accuracy, AI will enhance the capabilities of radiologists, allowing them to focus on higher-level decision-making, patient care, and clinical collaboration. The future of radiology will likely be a synergistic partnership between human expertise and AI technology.

State-of-the-Art Emergency Medicine Department: Enhancing Round-the-Clock Care

We are excited to bring to spot light the important updates, educational break through, medical up gradations, policy updates, social activities, research and skill development of the new evolving Emergency team of the organization.

THE TEAM SPOTLIGHT

Chief Consultant, Emergency Medicine

- Dr. SWATHI REDDY (DEM, MEM, MBA)

Consultant Emergency Physicians

- Dr. A. ANUDEEP REDDY (MD Emergency Medicine)
- Dr. NAGESH P (MD Emergency Medicine)
- Dr. ADITHYA CS (EMFP, MRCEM)



We also have 5 Emergency Medical Officers (EMO) Dr. DAYAKAR, Dr. KRISHNA, Dr. MATCHA SRAVANI, Dr. MALLA SRAVANI, DR SAI VAMSHI in our team with One Emergency Consultant and One EMO round the clock to handle any kind medical emergency. We are also supported by our nursing staff team with 6 skilled emergency nursing staff headed by Sister. D. Krupa Sunita (Incharge Nurse - ER)

DEPARTMENT UPDATES:

We have recently moved to our new state of the art Emergency Medicine department on November 25th, 2024. Which is equipped with a total 11 beds (10 priority beds and 1 triage bed), out of which 4 beds are completely dedicated with all the necessary equipment for resuscitation but also contented to say We are equipped with all the modern and latest equipments such as Defibrillator, Non Invasive ventilator, Mechanical Ventilator, dedicated patient monitors for each bed and also with all kinds of Diagnostic and radiological equipment's to handle all kind of medical emergency and trauma.

We are glad to inform that we are soon going to add another milestone by starting post graduation program M.E.M (MASTERS IN EMERGENCY MEDICINE) for aspiring and energetic Doctor's.



SOCIAL ACTIVITIES:

We have successfully conducted a Emergency Medicine Camp with the help of our Management where we assessed and medically examined more than 300 people from one of the biggest gated residential communities in the locality to spread awareness on emergency medical conditions.

EDUCATION CORNER:

We have updated learning needs and continuous enhancement of medical knowledge and skills.

- We have trained ER team with BLS, ACLS knowledge and skills.
- Protocol and evidence based medicine.
- Capturing ER performance and quality indicators.
- BE FAST in stroke management.

POLICY CHANGES:

Starting this month there will be changes to our triage protocol to improve efficiency and quality of patient care.

SUCCESS STORY:

A 45 year old gentleman, Acute on CKD was brought to our Emergency Room with NO PULSE where our team swiftly intervened and was successfully resuscitated, ventilated, dialysed and this prompt care and action brought down mortality of the patient. With continuation of care by critical care, Nephrology, Internal medicine patient successfully rescued and extubated on day 4 of admission.



CONCLUSION:

We would like to extend our heartfelt gratitude to the management of Ramdev Rao Hospital for their unwavering support and dedication to enhancing exceptional patient care. Their visionary leadership and commitment to excellence have been instrumental in driving continuous improvements across our services, ensuring the highest standards of healthcare delivery.

The management’s encouragement and investment in advanced medical technologies, modern infrastructure, and staff training have empowered us to provide comprehensive and compassionate care to our patients. Their emphasis on teamwork, innovation, and patient-centric values inspires us to strive for excellence in all that we do.

Together, as one cohesive unit, we are making a significant difference in the lives of our patients and setting new benchmarks in healthcare. We look forward to continuing this journey of progress, making a lasting impact on the health and well-being of our community!!

Goal is to free women from cervical cancer



As part of its Corporate Social Responsibility (CSR) initiative, Nations Benefits in collaboration with Ramdevrao Hospital, launched a Cancer Eradication Program aimed at raising awareness and promoting preventive measures against cancer. Under this initiative, one dose of the HPV vaccine was sponsored and administered to students of one of the Ramdevrao hospital's adopted schools. This effort aligns with the hospital's commitment to improving public health and reducing the future risk of cervical and other HPV-related cancers.



The program witnessed active participation from key representatives, including Ms. J. Meera Rao, Ms. Lakshmi Kamalakar, Dr. Chayadevi, and Dr. Bhavani Divya, along with the dedicated management and staff of Nations Benefits.



By supporting this noble cause, Ramdevrao Hospital and Nations Benefits not only contributed to the well-being of the students but also set a benchmark for impactful CSR initiatives. This collaboration reflects their unwavering dedication to community welfare and cancer prevention, making a meaningful difference in the lives of many.

Awareness and Vaccination for Nursing Students

"Our goal is to free women from cervical cancer," stated Ms. Meerarao, secretary of Ramdevrao Hospitals, during a large-scale free vaccination program held at the hospital. The event was attended by students and staff from Kumudini Devi College of Nursing, with the presence of hospital management including Ms. Meerarao, Dr. Kamalakar, Dr. Chayadevi, CEO-Dr. Yobu, College Principal Ms. Archana.

Dr. Chayadevi, Head of the Obstetrics & Gynecology Department, highlighted the hospital's leadership in cervical cancer prevention, particularly through its HPV-free vaccination initiative. She noted that, over the past year, around 1,500 children between the ages of 9 and 14 were vaccinated for free. She stressed that many women are still suffering from cervical cancer due to a lack of awareness.

During the event, 50 nursing students received free HPV vaccinations. Nursing College Principal Ms. Archana expressed her pride in being associated with Kumudini Devi College of Nursing, emphasizing the significance of the vaccination initiative in safeguarding future generations from cervical cancer.

The event concluded with heartfelt thanks to the hospital management and all those involved. Participants included Nursing Superintendent Mary David, Duty Doctors: Dr. Sruthi, Dr. Princy, Dr. Prashanti, Dr. Anusha, Dr. Navya, Nursing Incharges, and all the Admin Managers.



CREATIVE CANVAS: SHOWCASING TALENT AND INNOVATION



The Quality Department of Ramdevrao Hospital participated in the International Healthcare Management Conference 2024, hosted by the Administrative Staff College of India (ASCI), a renowned platform for fostering innovation and excellence in healthcare management.

Mr. Kranti Kumar, GM-Operations, and Ms. Y. Bharathi, HR Manager, presented a poster on "Waste Reduction & Management: Strategies at Ramdevrao Hospital for Sustainable Healthcare Using Lean Principles." Their presentation focused on the hospital's application of lean principles to optimize waste reduction and resource management. By streamlining processes, improving waste segregation, and eliminating inefficiencies, the hospital has successfully minimized waste generation and reduced environmental impact. These strategies not only promote sustainability but also enhance operational efficiency, contributing to cost savings and a more sustainable healthcare environment.

The Infection Control Nurse (ICN) and Quality Team from Ramdevrao Hospital participated in the 12th National Certificate Program in Infection Prevention & Control, organized by CARE Hospital, in collaboration with IFCAI. The team presented an impactful poster on "Occupational Hazards and Preventive Measures for Nurses." The poster highlighted key strategies to protect nursing staff from workplace risks through effective preventive protocols and safety measures. Their well-researched presentation earned high praise and secured 1st prize, showcasing the hospital's commitment to promoting workplace safety and enhancing the well-being of healthcare workers.



Mr. Vamshi, HR Executive at Ramdevrao Hospital, showcased his artistic talent by drawing portraits of Raja Ramdev Rao Garu and Rani Kumudini Devi, which he presented to the hospital management. Impressed by his skill, the management appreciated his efforts and encouraged him to share his work with a broader audience.



Additionally, on the birth anniversary of the legendary actor Akkineni Nageswara Rao (ANR), Annapurna Studios organized a blood donation camp. On this occasion, Mr. Vamshi gifted a heartfelt portrait of ANR Garu to his family members, earning their admiration and further recognition for his exceptional artistry.

QUALITY DAY 2024

Ramdev Rao Hospital celebrated World Quality Day 2024 with an event highlighting the importance of quality in healthcare. Staff and leadership came together to reaffirm the hospital's commitment to exceptional patient care and operational excellence.

Key leaders delivered inspiring talks:

Dr. (Lt Col) K. Kamalakar, Medical Director, explained the concept of quality and its critical role in saving lives and building trust. He emphasized adopting best practices and innovative solutions to enhance patient outcomes.

Dr. N. Yobu, CEO, explained management principles to all employees, emphasizing the importance of effective leadership, clear communication, and accountability in driving organizational success. He shared his vision for integrating quality into every aspect of hospital operations, highlighting the role of teamwork, innovation, and employee engagement in achieving healthcare excellence.

Ms. N. Meri, Nursing Superintendent, highlighted the nursing staff's role in maintaining high-quality care, ensuring patients receive compassionate and effective treatment.

Mr. V. Kranthi Kumar, General Manager, Operations & Quality, introduced recognized quality associates from each department. He outlined the hospital's initiatives to meet and exceed quality standards, emphasizing their contributions to achieving these goals.



The introduction of quality associates marks a significant step in the hospital's journey toward excellence. These team members will ensure compliance with best practices, drive innovation, and deliver measurable improvements in patient care.

This event underscored Ramdev Rao Hospital's dedication to its core values of safety, excellence, and patient-centered care, setting a strong example for continuous improvement in the healthcare sector.





From Designer's Desk.....

As the HR Manager, I am honored to contribute to a platform that not only communicates important updates but also celebrates the collective achievements of our incredible team. The newsletter is a reflection of our hospital's commitment to excellence, from the exceptional care we provide to our patients, to the dedication of our staff in ensuring that we uphold the highest standards of healthcare. Through the newsletter, we aim to keep everyone informed about the latest developments, innovations, and initiatives at the hospital, while also highlighting key milestones and the tireless efforts of our team members.

It serves as a reminder of the invaluable contributions of every individual across departments, and their impact on the overall success of Ramdevrao Hospital.

The newsletter also offers a unique opportunity to engage and connect with employees, fostering a sense of unity and shared purpose. It provides a space to celebrate achievements, promote wellness, and share resources for professional development. As a designer, I strive to present the content in an engaging and visually appealing way, ensuring that each issue is not only informative but also enjoyable to read.

As we conclude this edition of our newsletter, I am filled with pride as we reflect on the tremendous work, dedication, and progress we have achieved together at Ramdevrao Hospital. Each member of our team continues to play a pivotal role in advancing our mission of providing "Quality Care at Affordable Cost." Our collective efforts to improve patient care, innovate healthcare practices, and foster a supportive work environment are truly commendable.

Looking ahead, as we step into the New Year 2025, I extend my heartfelt gratitude to all staff for their continued commitment and hard work. The challenges of the past year have been met with resilience, and I am confident that the coming year will bring even greater achievements and growth for us as a team. Let us continue to work together to uphold the values of excellence, compassion, and patient-centered care.

Thank you to all departments for your contributions, and On behalf of the Ramdevrao Hospital, I wish you and your families a joyful, prosperous, and healthy New Year! Here's to another year of success and progress at Ramdevrao Hospital!!

This is our first attempt in bringing out a news letter. You are requested to give us any suggestions for improving in our future editions.

Thanks and Regards

Bharathi Yenne
Manager - HR

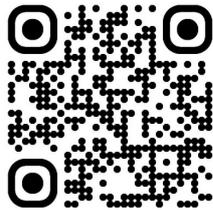


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