



South Asia Centre for Medical
Physics and Cancer Research

SCMPCR

Newsletter

Quality Education and Health Science for Patient Benefit

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The South Asia Centre for Medical Physics and Cancer Research (SCMPCR), established on July 3, 2018, is a pioneering initiative aimed at advancing cancer care and education across South Asia. As a project under the Alo Bhubon Trust, SCMPCR addresses the critical gaps in cancer treatment and medical physics within this populous and diverse region, which includes countries such as Bangladesh, India, Bhutan, Maldives, Nepal, Sri Lanka, Pakistan, and Afghanistan. By focusing on education, training, and awareness, SCMPCR aspires to improve health outcomes and empower healthcare professionals to meet the growing demand for high-quality cancer care.

Vision and Mission

SCMPCR envisions a future where South Asia possesses the expertise and infrastructure necessary to deliver world-class cancer treatment and preventive care, aligning its mission with the United Nations Sustainable Development Goals (SDGs), particularly SDG 3 (Good Health and Well-being) and SDG 4 (Quality Education). To achieve this, SCMPCR focuses on training skilled professionals in medical physics and oncology, fostering awareness about cancer prevention and treatment, and enhancing healthcare infrastructure through innovative research and collaborations. Its objectives include addressing gaps in cancer care standards across South Asia, equipping healthcare providers with advanced knowledge through workshops and e-learning, building a sustainable workforce of trained medical physicists and oncology specialists, organizing public campaigns on cancer prevention and treatment, and establishing support networks to aid the mental and physical well-being of cancer patients and their families.

Current Initiatives

Training and Workshops

SCMPCR conducts internationally accredited training programs, including workshops endorsed by the International Organization of Medical Physics (IOMP) and the European Board for Accreditation in Medical Physics (EBAMP). These hands-on workshops and in-service training sessions are held in collaboration with global institutions, enabling healthcare professionals to enhance their practical skills and knowledge.

E-Learning Programs

The organization's e-learning initiatives, developed in partnership with institutions like Harvard University and the Mannheim Medical Centre, provide accessible and comprehensive training for medical physicists. Since its inception, these programs have reached participants from over 50 countries, making SCMPCR a global leader in online education for cancer care professionals.

Cancer Awareness Campaigns

Recognizing that prevention is key, SCMPCR organizes regular awareness programs targeting communities, schools, and workplaces. These campaigns focus on educating the public about

lifestyle changes and early detection techniques that can significantly reduce cancer mortality rates.

Research and Innovation

SCMPCR is actively involved in cutting-edge research, including projects on the application of 3D printing and artificial intelligence in cancer treatment. Collaborating with renowned international institutions, the organization aims to integrate innovative technologies into South Asia's healthcare systems.

Health Education and Community Support

SCMPCR's outreach programs extend to rural and urban areas, promoting healthy living and disease prevention. Additionally, its self-help groups for cancer patients foster peer support and shared experiences, enhancing the quality of life for those battling the disease.

Achievements

Since its establishment, SCMPCR has made significant strides in advancing cancer care in South Asia by training hundreds of healthcare professionals through hands-on workshops and online courses, hosting international conferences and seminars to connect global experts, publishing biannual newsletters to share insights and updates, and initiating community-based programs that have directly benefited thousands of individuals.

Future Goals

SCMPCR aims to expand its impact through several key initiatives, including increasing the frequency and accessibility of training programs such as workshops, webinars, and certifications to reach participants from underrepresented areas. It seeks to strengthen research collaborations by partnering with global institutions to drive innovations in cancer diagnostics and treatment. The organization also envisions building comprehensive cancer centres equipped with advanced technology and skilled professionals to deliver holistic care. Enhancing public engagement through scaled-up awareness campaigns is a priority to emphasize the importance of early detection and preventive measures. Additionally, SCMPCR is committed to empowering local communities by developing localized solutions tailored to the unique challenges faced by different countries in the region.

The organization calls upon individuals, organizations, and governments to join its mission to combat cancer and enhance healthcare standards across the region, emphasizing that participation, collaboration, and support are vital to building a future where quality cancer care is accessible to all.