Standing on the Shoulders of Giants

A Continuing Medical Education (CME) Program

On the occasion of

International Day of Medical Physics (IDMP) & International Day of Radiology (IDoR)

8th November 2023

International Day of Medical Physics A International Day of Radiology 7 - 8 November 2023 International Day of Radiology 7 - 8 November 2023 International Day of Radiology Departments of Radiation Oncology and Radio Diagnosis Christian Medical College and Hospital Ludhiana Day Time Venue Hospital Auditorium

In recognition of the remarkable contributions made by medical physics and radiological sciences in providing quality care to patients in diagnosis and treatment, 7th November, birthday of **Madam Marie Curie** is celebrated as International Day of Medical Physics (IDMP) and 8th November, anniversary of the discovery of X-rays by German physicist **Prof W C Roentgen** is celebrated as IDoR around the world.

IDMP and IDoR celebrations are intended for the promotion of the subjects of radiation therapy, medical physics and radiology globally, increasing the visibility of the profession and outreach to fellow professionals and general public. The theme of this years IDMP celebrations is 'Standing on the Shoulders of Giants'.

On 8th November 2023, a Continuing Medical Education (CME) Program on the theme 'Standing on the Shoulders of Giants' was organized by the Departments of Radiation Oncology and Radio Diagnosis Christian Medical College & Hospital,

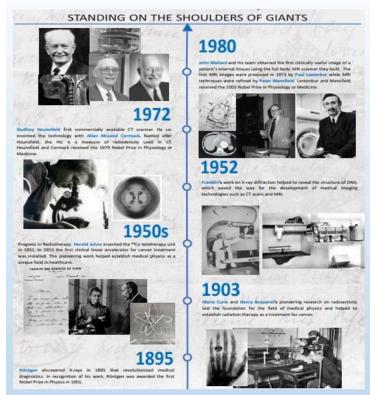
Diagnosis Christian Medical College & Hospital, Ludhiana to commemorate the International Day of Medical Physics (IDMP) and the International Day of Radiology (IDOR) 2023. This CME was accredited with 3 credit hours by the Punjab Medical Council. The CME was held in the Guy & Constable Auditorium, Christian Medical College and Hospital, Ludhiana.

Contribution of Medical Physics in healthcare is multidimensional and it has improved the healthcare tremendously. The recent advancements in Medical Physics may it be in Radio diagnosis, Radiotherapy, Nuclear Medicine and various fields specially using ionizing radiation has made monumental sprints. To bring over it and recognize the contribution of Medical Physics to healthcare, International Organization for Medical Physics (IOMP) has started to celebrate 7th November, the birthday of Madam Marie Curie as International Day of Medical Physics (IDMP) since 2013. The main purpose of IDMP celebrations include motivating the organization of activities that result in the promotion of the subject of medical physics globally, increasing the visibility of the profession and

outreach to fellow professionals and general public. Since the 7th day of November 2013, the very first International Day of Medical Physics, where various academic and teaching institutes showcased the contributions of medical physicists to healthcare globally and continues to be celebrated annually thereafter. Discovery of X-rays on 8 November 1895 by German physicist Prof Wilhelm Roentgen has revolutionized the medical diagnosis and treatment. The anniversary of this discovery is celebrated around the world as IDoR in recognition of the remarkable contributions made by radiological imaging and radiological treatment to health care, and the role of radiation professionals in providing quality care to patients. Christian Medical College and Hospital Ludhiana has been always in the forefront to avail the best

diagnostic and treatment facilities to treat patients since 1894. The teaching and training program for radiotherapy technologists in CMC Ludhiana dates to early 1960's and the MD Radiation Oncology program at the institute completed 30 years. The departments of Radiation Oncology and Radio Diagnosis collectively decided to commemorate the IDMP and IDoR 2023 and more than 260 healthcare professionals and trainees attended the CME.

The CME started with the inaugural ceremony which was graced by Dr William Bhatti, Director, CMC and Hospital, Ludhiana, Dr Jeyaraj Pandian, Principal Christian Medical College Ludhiana, Dr Allen Joseph, Medical Superintendent, CMC Hospital and Dr MK Mahajan Chief Guest and key note speaker. The inaugural program started with a prayer by Rev. Fr. Alex Peter and invocation song by the radiotherapy choir. Dr Pamela Jeyaraj, Prof and Head Department of Radiation Oncology and the Organizing Chairperson of the CME formally welcomed all the guests and delegates. Dr Harish Gambhir spoke about IDMP and IDoR and threw light on the objectives of the CME highlighting the contributions of Madame Marie Curie and Prof W C Roentgen. Dr. William Bhatti emphasized the importance of remembering the pioneers and their



A Legacy of Healing, Education and Research since 1894

The Christian Medical College & Hospital in Ludhiana was established in 1894. From the time of it's inception, the Christian Medical College & Hospital has pledged itself to the service of the nation, her halls oft echoing its founder's refrain, 'My Work is for a King'. This motto underscores the philosophy of this premier institute which has been at the nations service ever since. Young and old, rich and poor, high born or low born, of all faiths, the hospital has worked for all and endeavoured to give each living soul service of the best standard. Scores of young Indians have trained in its schools of medicine, dentistry, physiotherapy, paramedical and nursing, and all who leave CMC&H, take with them the same burden and privilege, to serve this vast nation to the best of their abilities. So at Christian Medical College & Hospital, be it in the traditional healing touch of the doctor, to the latest innovation in imaging, treatment, clinical, surgical or technological expertise, the vein of service still runs true. Service to each in the spirit of God remains our goal and vision.

"Lord, do with me what you will, only use me in the service of others" - Dame Edith Mary Brown (Founder CMC & H)

contributions and stated that we learn and grow in the process. Dr. Jeyaraj Pandian highlighted the importance of scientific acumen and shared insights to define and design research goals for dealing with the disease burden of the country. He also appreciated the efforts of the Department of Radiation Oncology for organizing this CME. Dr. Allen Joseph spoke on the need of keeping everyone updated with advanced treatment options and developing necessary skills and conveyed the IDMP and IDoR greetings. Prof Dr MK Mahajan a pioneer of Radiation Oncology in the region and giant in view of his services took the audience through the journey of development of Radiology and Radiation Oncology at CMCH Ludhiana. The inaugural ceremony ended with Dr. Mary Joan, Associate Professor and RSO and the

Organizing Secretary of the CME extending a vote of thanks to the entire invited faculty, delegates and the team of support persons.

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(8 th November 2023 Wednesday) Morning session		
Time	Proceedings	Chairperson
08.00AM- 08.30AM (30 min)	Registration	
08.30AM- 09.30AM (60 min)	Inauguration	
09.30AM- 10.00AM (25+5 min)	Standing on the shoulders of Giants Dr M K Mahajan	Dr. Harish Gambhir Dr. Gurpreet Kaur Thiar
10.00AM- 10.30AM (25+ 5 min)	Recent Advances in Neuro-Intervention Dr Rajeshwar Sahonta	Dr. Pamela Jeyaraj Dr. Amit Batra
10.30AM- 11.00AM (25+5 min)	Irradiation of cellular blood components- Transfusion Medicine perspective Dr Gurpreet Kaur Thiara	Dr. Roma Issac Dr. Harpreet Singh
11.00AM-11.30AM (30 min)	Теа	
11.30 AM-12.00Noon (25+ 5 Min)	Advancements in radiation dosimetry PTW	Dr. Mary Joan Dr. Abraham P Abraham
12.00Noon-12.30PM (25+ 5 Min)	Personnel Monitoring: What we should know? Dr Abraham P Abraham	Dr. Shekhar Kapoor Dr. Julie Mathew
12.30PM-01.00PM (25+5 Min)	Improving patient safety in Radiology- Minimizing human errors Dr Vineet Alexander Joseph	Dr. Manbir Singh Dr. Sunil Varghese
01.00PM-01.30PM (25+5 Min)	Facts and Myths in Radiation Protection Mrs Manjinder Kaur Dhanoa	Dr. Kamlesh Passi Dr. Gurbhej Singh Dr. Paul Sudhakar
01.30PM- 01.45PM (15 Min)	Poster Rapporteur Dr Mary Joan	Ms. Meghalamani Dr. Samuel David Dr. Lydia Solomon
01.45PM-02.00PM	Prize Distribution and Valedictory Function	2 Lyan coronion

The theme of this year's IDMP celebrations was 'Standing on the Shoulders of Giants' and it inspires us to continue collective our commitment to improving patient care, advancing medical technology, and enhancing the overall well-being of our communities. THE IDMP day is dedicated to raising awareness about the role of medical physicists in healthcare and their contributions to the wellbeing of patients. Medical physicists play a crucial role in areas such as radiation therapy, diagnostic imaging, and nuclear medicine, ensuring the safe and effective use of medical technology. The International Day of Medical Physics serves to highlight the importance of their work in improving

the diagnosis and treatment of diseases and promoting the well-being of individuals worldwide. The rapidly evolving applications of physics in medicine demands new set of skills as well as outlooks to meet the challenges efficiently and successfully. This CME offered a forum for radiation professionals of various healthcare streams to come together and share invaluable experiences for improving the practice of applications of radiation in medicine. The scientific program included a key note talk by veteran radiation oncologist and former Professor and Head of Department of Radiation Oncology, CMC Ludhiana on the theme 'Standing on the Shoulders of Giants'. He has emphasized not only the contributions of giant scientists and clinical medical physicists to the field of radiation oncology, but also reiterated the importance of the role of medical physicists in routine clinical activities of radiation oncology, academic and research work. The session was moderated by Dr Harish Gambhir, Sono-Radiologist, CMCH Ludhiana and Dr Gurpreet Kaur Thiara, Transfusion Medicine Head, CMCH Ludhiana. Following the keynote address,

Dr Rajeshwar Sahonta, Associate Professor of Neurology and Interventional Neurology spoke about the 'Recent Advances in Neuro-Interventions, moderated by Dr Pamela Jeyaraj, Radiation Oncologist and Dr Amit Batra, Interventional Radiologist.

CMCH Ludhiana has a dedicated gamma blood irradiator facility for blood and blood components and Dr Gurpreet Kaur Thiara, Head, Transfusion Medicine talked about 'irradiation of cellular blood components: transfusion medicine perspective' moderated by Dr Harpreet Singh, Head Radiation Oncology, Mohan Dai Oswal Cancer Hospital, Ludhiana and Dr Roma Issac, Head, Pathology, CMCL Ludhiana. Indications and contra indications for blood irradiation, when to use the irradiated blood, The talk was followed by short quiz for the participants on blood irradiation. A promotional video from PTW on advances in radiation dosimetry was displayed after the tea break moderated by Dr Mary Joan, Medical Physicist and Dr Abraham P Abraham, Radiation Oncologist.

The next talk was 'Personal monitoring: What we should know' by Dr Abraham P Abraham, Radiation Oncologist moderated by Dr Shekhar Kapoor, Head, Oral Medicine and Radiology, CMCH Ludhiana and Dr Julie Mathew, Christian Dental College Ludhiana. The next talk was on 'Improving Patient Safety in Radiology- Minimizing Human Errors', by Dr Vineet Alexander Joseph a third year PG resident in Radio Diagnosis moderated by Dr Manbir Singh, Head, Urology, CMCH Ludhiana and Dr Sunil Varghese, ENT, CMCH Ludhiana. Varying situations in Radiology in radiation safety and physical safety was discussed in the session along with practical examples from Urology and ENT. Following that the 'Facts and Myths in Radiation Protection' was discussed by Mrs Manjinder Kaur Dhanoa, Tutor and Senior Radiotherapy Technologist. This session was moderated by Dr Kamlesh Passi, Senior Medical Physicist, Mohan Dai Oswal Cancer Hospital, Dr Paul S John, Head, Neurosurgery, CMCH Ludhiana and Dr Gurbhej Sing, Head, Cardiology, CMCH Ludhiana. A thriving discussion followed including various practical situations and challenges in neurosurgery, cardiology and even considering patient safety and patient doses.

A poster making competition on the theme 'Standing on the Shoulders of Giants' was organized for the graduate students to promote awareness and to nurture all round development. An enthusiastic participation from students comprising 52 posters and 2 models upheld the spirit of the IDMP celebrations. The rapporteuring of posters was done by Dr Mary Joan. Mr Nikhil Mathew and Ms Harshpreet Kaur won the first and second prizes for model and Ms Vedika Choudhary, Ms Samreen Ansari and Ms Komal Pal won the 1st, 2nd and 3rd Prizes in poster respectively. Dr Samuel David, Associate Director, CMCH Ludhiana presented the results and awards to the winners. Following the prize distribution, the CME came to an end with a vote of thanks and the ethos of 'Standing on the Shoulders of Giants' strongly reverberating in all participants.

Gallery







































































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अंतर्राष्ट्रीय मेडिकल फिजिक्स दिवस और अंतर्राष्ट्रीय रेडियोलॉजी दिवस के अवसर पर. रेडिएशन ऑन्कोलॉजी और रेडियोडायग्नोसिस विभाग. आईडीएमपी और आईडीओआर

जन जागरण संदेश लुधियाना (सुनील पांडेय) को एक सतत चिकित्सा शिक्षा (सीएमई) कार्यक्रम का आयोजन कर रहा है। 'दिग्गजों के कथों पर खड़ा होना' है। सीएमई का उद्देश्य स्वास्थ्य देखभाल में रेडियोलॉजिकल डमेजिंग और उपचार के योगदान और मरीजों को गुणवत्तापूर्ण देखभाल प्रदान करने में विकिरण पेशेवरों की जबरदस्त भूमिका के बारे में जागरूकता बढ़ाना है और इसे पंजाब मेडिकल काउसिल द्वारा 3 क्रेडिट घंटे के साथ मान्यता प्राप्त है। स्वास्थ्य देखभाल में रेडियोलॉजिकल विजान विशेष रूप से चिकित्सा भौतिकी का योगदान बहआयामी है। चिकित्सा भौतिकी में हाल की प्रगति, चाहे वह रेडियो डायग्नोसिस, रेडियोथेरेपी, न्यूक्तियर



मेडिसिन और विभिन्न क्षेत्रों में हो, विशेष रूप से आयनीकृत विकिरण के उपयोग ने जबरदस्त प्रगति की है। इसे पहचानने के लिए, 7 नवंबर, मैडम मैरी क्यूरी के जन्मदिन को अंतर्राष्ट्रीय चिकित्सा भौतिकी दिवस (आईडीएमपी) के रूप में मनाया जाता पत्येक वर्ष मनाया जाने वाला

अनुसंधान, निदान और उपचार के बारे में अधिक जागरूकता पैदा कर रहा है। इन समारोहों का उद्देश्य विश्व स्तर पर विकिरण चिकित्सा, चिकित्सा भौतिकी और रेडियोलॉजी के विषय को बढ़ावा देना, पेशे की दृश्यता बढ़ाना और साथी पेशेवरों और आम जनता तक पहुंच बनाना है। वैज्ञानिक कार्यक्रम में चिकित्सा में विकिरण के अनुप्रयोग के विभिन्न क्षेत्रों में प्रख्यात वक्ताओं की बातचीत शामिल है। जागरूकता को विज्ञानी पोपेक्सर विल्हेम रोएंटजेन दारा एक्स-रे की खोज ने चिकित्सा नि बढावा देने और सर्वांगीण विकास को और उपचार में क्रांति ला दी है। इस बढ़ावा देने के लिए स्नातक छात्रों के लिए 'दिग्गजों के कंधों पर खड़े' खोज की वर्षगांठ को दुनिया भर में इष्ठश्वर के रूप में मनाया जाता है विषय पर एक पोस्टर प्रतियोगिता

आयोजित की जाती है।

सुरक्षित और प्रभावी रोगी देखभाल में योगदान देने वाले रेडियोलॉजिकल

गिर रेडिएशन ओंकोलाजी पर सीएमई करवाई इले न जासं, तुधियानाः अंतरराष्ट्रीय मेडिकल देखभाल में रेडियोलाजिकल इमेजिंग लिप फिजिक्स दिवस और अंतरराष्ट्रीय और उपचार के योगदान और मरीजों आ रेडियोलाजी दिवस के अवसर पर को गुणवत्तापूर्ण देखभाल प्रदान करने में सन क्रिश्चियन मेडिकल कालेज और विकिरण पेशेवरों की जबरदस्त भूमिका कुल अस्पताल के रेडिएशन आन्कोलाजी के बारे में जागरूकता बढाना था। कार्यक्रम में प्रख्यात वक्ताओं की और रेडियोडायग्नोसिस विभाग की ओर से सीएमई (कंटीन्यूइंग मेडिकल बातचीत शामिल रही। इसके साथ ही पुलिर एजुकेशन) कराई गई। उद्देश्य स्वास्थ्य पोस्टर प्रतियोगिता आयोजित की गई। गलौ लुधिया लोग र कर रहे कर्मियो साथ ह मुक्की उर्फ सा रूप में

सीएमई के दौरान उपस्थित विशेषज्ञ 💿 सौ. सीएमसीएच

ਨਦਾ ਜਾਂਦਰੂਜ ਪੱਤਾ ਸਿੰਘ ਪਿੰਡਾ ਵਿੱਚ ਸੰਯੂ ਦੂਜ ਵਾਰੇ ਵਿੱਚ ਪਿੰਡਾਂ ਦੀਆਂ ਪੰਚਾਇਤਾਂ ਨੇ ਚੁੱਕ ਸਮਾਗਮ ਛੁਰੂ ਕਰ ਦਿੱਤੇ ਗਏ ਹਨ। ਇਸ ਸਮਾਗਮ ਵਿੱਚ ਪਿੰਡਾਂ ਦੀਆਂ ਪੰਚਾਇਤਾਂ ਨੇ ਸ਼ਹਿਮ ਤਹਿਤ ਸਬੰਧਤ ਵਿਭਾਗਾਂ ਦੇ ਵੀ ਸ਼ਮੂਲੀਅਤ ਕੀਤੀ ਅਤੇ ਵਾਤਾਵਰਨ ਨੂੰ ਸ਼ਹਿਸ ਤੋਰਾਂ ਸਾਹੇ ਦੇ ਵੱਖ-ਵੱਖ ਪ੍ਰਦੂਸ਼ਿਤ ਹੋਣ ਤੋਂ ਰੋਕਣ ਲਈ ਇਸ ਪ੍ਰਥਾ ਅਧਿਕਾਰੀਆਂ ਵਲੋਂ ਜ਼ਿਲ੍ਹੇ ਦੇ ਵੱਖ-ਵੱਖ ਪ੍ਰਦੂਸ਼ਿਤ ਹੋਣ ਤੋਂ ਰੋਕਣ ਲਈ ਇਸ ਪ੍ਰਥਾ ਪਿਡਾ ਵਿਚ ਅਜਿਹੇ ਸਮਾਗਮ ਕਰਵਾਏ ਗਏ ਵਿਰੁੱਧ ਮੰਤੇ ਪਾਸ ਕਰਨ ਦਾ ਅਹਿਦ ਲਿਆ। ਜਿਸ ਵਿਚ ਵੱਡੀ ਗਿਣਤੀ ਵਿਚ ਅਗਾਂਹਵਧੂ ਪੰਚਾਇਤਾਂ ਨੇ ਐਲਾਨ ਕੀਤਾ ਕਿ ਪਰਾਲੀ ਸੈਮੀਨਾਰ ਦੌਰਾਨ ਸ਼ਮ੍ਹਾਂ ਰੌਸ਼ਨ ਕਰਦੇ ਹੋਏ ਹਸਪਤਾਲ ਦੇ ਡਾਇਰੈਕਟਰ ਡਾ. ਵਿਲੀਅਮ ਭੱਟੀ ਅਤੇ ਹਾਜ਼ਰੀਨ। ਤਸਵੀਰ-ਸੇਵਕ ਸਿੰਘ ਕਿਸ਼ਚੀਅਨ ਮੈਡੀਕਲ ਕਾਲਜ ਤੇ ਹਸਪਤਾਲ ਵਿਖੇ ਨਿਰੰਤਰ ਮੈਡੀਕਲ ਸਿੱਖਿਆ ਸੈਮੀਨਾਰ ਲੁਧਿਆਣਾ, 8 ਨਵੰਬਰ (ਡਾ. ਨਵੰਬਰ 1895 ਨੂੰ ਜਰਮਨ ਭੌਤਿਕ ਤਰਲੋਚਨ ਸਿੰਘ)- ਮੈਡੀਕਲ ਭੌਤਿਕ ਵਿਗਿਆਨੀ ਪ੍ਰੋ. ਵਿਲਹੇਲਮ ਰੇਂਟਜੇਨ ਵਿਗਿਆਨ ਦੇ ਅੰਤਰਰਾਸ਼ਟਰੀ ਦਿਵਸ ਦੁਆਰਾ ਐਕਸ-ਰੇ ਦੀ ਖੋਜ ਨੇ ਡਾਕਟਰੀ ਅਤੇ ਰੇਡੀਓਲੋਜੀ ਦੇ ਅੰਤਰਰਾਸ਼ਟਰੀ ਨਿਦਾਨ ਤੇ ਇਲਾਜ ਵਿਚ ਕ੍ਰਾਂਤੀ ਲਿਆ ਦਿਵਸ ਦੇ ਮੌਕੇ 'ਤੇ, ਰੇਡੀਏਸ਼ਨ ਦਿੱਤੀ ਸੀ। ਇਸ ਖੋਜ ਦੀ ਵਰ੍ਹੇਗੰਢ ਨੂੰ ਓਨਕੋਲੋਜੀ ਤੇ ਰੇਡੀਓਡਾਇਗਨੋਸਿਸ ਦੁਨੀਆਂ ਭਰ ਵਿਚ ਆਈ.ਡੀ.ਓ.ਆਰ ਵਿਭਾਗ, ਕਿਸ਼ਚੀਅਨ ਮੈਡੀਕਲ ਕਾਲਜ ਵਜੋਂ ਮਨਾਇਆ ਜਾਂਦਾ ਹੈ। ਹਰ ਸਾਲ ਅਤੇ ਹਸਪਤਾਲ ਵਲੋਂ ਇਕ ਨਿਰੰਤਰ ਮਨਾਏ ਜਾਣ ਵਾਲੇ ਆਈ.ਡੀ.ਐਮ.ਪੀ. ਮੈਡੀਕਲ ਸਿੱਖਿਆ ਸੈਮੀਨਾਰ ਲਗਾਇਆ ਤੇ ਆਈ.ਡੀ.ਓ. ਆਰ ਸੁਰੱਖਿਅਤ ਅਤੇ ਹੈਲਥਕੇਅਰ ਵਿਚ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਮਰੀਜ਼ਾਂ ਦੀ ਦੇਖਭਾਲ ਵਿਚ ਰੇਡੀਓਲੈਜੀਕਲ ਵਿਗਿਆਨ ਖਾਸ ਕਰਕੇ ਯੋਗਦਾਨ ਪਾਉਣ ਵਾਲੇ ਰੇਡੀਓਲੋਜੀਕਲ ਮੈਡੀਕਲ ਭੌਤਿਕ ਵਿਗਿਆਨ ਦਾ ਖੋਜ, ਨਿਦਾਨ ਅਤੇ ਇਲਾਜ ਬਾਰੇ ਵਧੇਰੇ ਯੋਗਦਾਨ ਬਹੁ-ਆਯਾਮੀ ਹੈ। ਮੈਡੀਕਲ ਜਾਗਰੁਕਤਾ ਪੈਦਾ ਕਰ ਰਹੇ ਹਨਾਂ ਇਹ ਭੌਤਿਕ ਵਿਗਿਆਨ ਵਿਚ ਹਾਲ ਹੀ ਵਿਚ ਜਸ਼ਨ ਵਿਸ਼ਵ ਪੱਧਰ 'ਤੇ ਰੋਡੀਏਸ਼ਨ ਹੋਈ ਤਰੱਕੀ ਭਾਵੇਂ ਇਹ ਰੇਡੀਓ ਨਿਦਾਨ, ਬੈਰੋਪੀ, ਮੈਡੀਕਲ ਭੌਤਿਕ ਵਿਗਿਆਨ ਰੇਡੀਓਥੋਰੇਪੀ, ਨਿਊਕਲੀਅਰ ਮੈਡੀਸਨ ਅਤੇ ਰੇਡੀਓਲੋਜੀ ਦੇ ਵਿਸ਼ੇਨੂੰ ਉਤਸ਼ਾਹਿਤ ਅਤੇ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਵਿਸ਼ੇਸ਼ ਤੌਰ ਕਰਨ, ਪੇਸ਼ੇ ਦੀ ਦਿੱਖ 🖸 ਵਧਾਉਣ ਅਤੇ 'ਤੇ ਆਇਓਨਾਈਜ਼ਿੰਗ ਰੇਡੀਏਸ਼ਨ ਦੀ ਸਾਥੀ ਪੇਸ਼ੇਵਰਾਂ ਤੇ ਆਸ ਲੋਕਾਂ ਤੱਕ ਪਹੁੰਚ ਵਰਤੋਂ ਕਰਦੇ ਹੋਏ ਬਹੁਤ ਜ਼ਿਆਦਾ ਸਪ੍ਰਿੰਟ ਕਰਨ ਲਈ ਤਿਆਰ ਕੀਤੇ ਗਏ ਹਨ। ਕੀਤੀ ਹੈ। ਇਸ ਨੂੰ ਮਾਨਤਾ ਦੇਣ ਲਈ ਵਿਗਿਆਨਕ ਯੋਗਰਾਮ 'ਚ ਦਵਾਈ ਵਿਚ ਮੇਡਮ ਮੇਰੀ ਕਿਊਰੀ ਦੇ ਜਨਮ ਦਿਨ ਨੂੰ ਰੇਡੀਏਸ਼ਨ ਜੋ ਵਰਤੋਂ ਦੇ ਵੱਖ-ਵੱਖ ਅੰਤਰਰਾਸ਼ਟਰੀ ਮੇਡੀਕਲ ਫਿਜਕਿਸ ਖੇਤਰਾਂ ਵਿ ਉੱਘੇ ਬੁਲਾਰਿਆਂ ਦੁਆਰਾ

ਉਥੇ ਵਾਤਾਵਰਣ ਵੀ ਪ੍ਰਦੂਸ਼ਿਤ ਹੁੰਦਾ ਹੈ।

ਕਾੜਾਵਰਨ ਨੂੰ ਪ੍ਰਦਾਸ਼ਤ

तिराक्षर ।

चर्चरे

ਲਈ ਜਾਗਰੁਕ ਕਰਨ ਲਈ ਪਿੰਡਾਂ ਵਿਚ ਸਹੁੰ

ਦਿਵਸ ਵਜੋਂ ਮਨਾਇਆ ਜਾਂਦਾ ਹੈ। 8 ਗੱਲਬਾਤਕੀਤੀ ਗਈ। ਦਿਨੋਂ ਦਿਨ ਵਧ ਰਹੇ ਨੇ ਡੇਂਗੂ ਦੇ ਮਰੇਸ਼, ਗਿਣਤੀ 920 ਤੱਕ ਪੁੱਜੀ