BULLETIN

May 2025

SGSMP
SSRPM
SSRFM

Schweizerische Gesellschaft für Strahlenbiologie und Medizinische Physik
Société Suisse de Radiobiologie et de Physique Médicale
Società Svizzera di Radiobiologia e di Fisica Medica
Swiss Society of Radiobiology and Medical Physics

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BULLETIN 111

May 2025

Cover image:
Portrait of Fra' Luca Pacioli, ca. 1495
oil on canvas, **Jacopo de' Barbari** (1460/70 - 1516)
(Italy, Museo e Real Bosco di Capodimonte)

Editorial

Letter from the Editors

Dear colleagues,

We hope this first part of the year went well for all of you! Time flies, and it's spring again!

We're delighted to bring you a little reading, some Society news and a little entertainment. You'll find the letter from our President announcing the next SSRMP congress at CERN and the launch of new working groups. This leads us to think that we can count ourselves lucky to have such a rewarding and challenging profession. what do you think? And the following articles reinforce this impression: working groups at the heart of hot topics, conference reports...

The "Spotlight on" is back in this issue with a presentation of the very friendly medical physics team at the Kantonsspital Aarau. And we end with the now traditional book and off-duty sections!

Like flowers in spring, there'll be plenty of congresses between now and summer! We're counting on you to send us your feedback and experiences for the next edition – Deadline is August 15th, 2025 :-)

Davide and Marie

PRESIDENT'S LETTER

Dear colleagues,

Finally, winter is over and here we are welcoming spring once more. It's amazing how quickly time flies...

Lately, together with some colleagues, we have been quite busy preparing for the upcoming 57th SSRMP annual meeting, which will be held this year in Geneva on October 29th and 30th. I'm excited to share that, for this edition, we will bring together two important communities: medical physicists working in clinical settings — who sometimes engage in research as well — and those dedicated primarily to research, such as our colleagues at CERN. One of CERN's missions is to accelerate innovation and amplify its impact by promoting and transferring both technological advancements and human expertise. I trust this annual meeting will offer valuable insights and meaningful exchanges for both the SSRMP community and the scientists from CERN.
Another reason we chose Geneva as the host city is its historical significance. It was here, in 1964, that the SSRMP was founded, with Professor Dr. Hedi Fritz-Niggli as its first president. Hosting the meeting in Geneva highlights the journey we've taken since our founding.
We're working hard to put together a well-balanced scientific and social program that we hope you'll enjoy. But your participation is essential for the scientific content—so please don't forget to submit your abstract! We're eager to learn about your work and contributions. And even if you don't have something to present this year, we warmly encourage you to join us and benefit from the insights and presentations of your peers. Don't miss the registration, it is now open!

I hope these words have convinced you to attend this year's meeting. In any case, know that we'll be truly delighted to welcome you in Geneva at the end of October!

Concerning the work performed within our society, it is important to remember that most of it is done by our working groups. Much work is going on in the working groups. Those who were present during our last AMP might remember that we had some discussion about

PRESIDENT'S LETTER

Hedi Fritz-Niggli
(Zurich 1921 - 2005)
Radiobiologist and first SSRMP president
https://fr.wikipedia.org/wiki/Hedi_Fritz-Niggli

the need of a working group for Education and training for TPS. During that meeting, different opinions were discussed. While the consensus is still missing in this case, I find important to recall that it's essential to emphasize that medical physicists are ultimately responsible for maintaining the competencies required for tasks under their accountability. Now, two new working groups have been created: one in AI and one in hyperthermia and also the early careers group has now officially been launched. I would like to thank all those people who already had or will invest their time and energy in creating and making these groups move forward.

Well, I'll let you continue reading the rest of the bulletin. Just a quick reminder — the next opportunity to meet in person will be at the upcoming AMP, taking place on May 23rd in Bern. I truly hope to see many of you there! Until then, enjoy the spring!

Marta Sans Merce
SSRMP President

AMP and Early Careers joint event on May 23rd in Bern - Save the Date!

- 9:15-12:30 - AMP (Radiation Oncology new flat rates + Joint Early Careers Session "Risk communication")
- 13:30-16:30 - Early Careers kick-off with guest speakers (including "Refresher talk on statistics and hypothesis testing") & apero-networking session
- Early Careers events registration : please register on https://framadate.org/BQLOEAxLAkkvMgyp to help us organize the EC events smoothly.
- Detailed program coming soon!

SSRMP Annual Meeting Announcement

Geneve, 29th - 30th of October 2025

The 2025 SSRMP annual meeting will take place in Geneva, where the society was founded in 1964 with Professor Dr. Hedi Fritz-Niggli as its first president. At that time, the aims of the society were set down to gain recognition and advance knowledge in the field of radiation biology, as well as to educate medical doctors and scientists in the fundamentals of radiation physics and radiation protection. Nowadays, the aims of the SSRMP have evolved with the society needs and are focused on patient care by supporting clinical practice, promoting research and teaching in the fields of radiobiology, medical physics and radiation protection. The SSRMP brings together and represents individuals who are active in these areas and who are interested in interdisciplinary collaboration and scientific development of these disciplines. This is the reason why this year's annual meeting we will bring together clinics and research by organizing the meeting together with CERN.

We are looking forward to the contributions from these two communities and hope that they will be as numerous and diverse as they have always been.

We're thrilled to be meeting you in Geneva!

On behalf of the Organizing Committee

Marta Sans Merce & Pierre Carbonez

Location

CERN
500/1-001 - Main Auditorium

Abstracts

Submission: open
Deadline: 15 June 2025, 23:59

https://indico.cern.ch/event/1513894/overview

New SSRMP Working Group: Early Careers

Chaired by Siria Medici

Aims and roadmap: The Early Career (EC) group aims to bridge the gap between education and professional practice, advocating for emerging professionals in medical physics. The EC will act in close collaboration with the other commitees within the SSRMP to create opportunities for networking, collaboration and exchanges, share interesting resources for training and continuous education and gather feedback through surveys to ensure the society aligns with the evolving needs of its members.

The actions of the EC WG are based on three main pillars : 1) networking and communication; 2) events and knowledge sharing and 3) careers development and recognition.
The EC WG aims at reuniting early members, provide them with equal opportunities for learning and personal development and address their questions and concerns by a centralised, dynamic and internal structure. Since we firmly believe that innovation should be rooted in experience and value collaboration greatly, this group is open to all the SSRMP members, regardless of their level of seniority within the society.

Anticipated results: Feedback surveys, networking sessions, events organisation, repository of continuous education material.

Scientific relevance: The EC group promotes scientific innovation by encouraging collaboration and interdisciplinary learning. Through knowledge exchange, it supports the integration of new technologies and research into clinical practice, driving advancements in medical physics.

Professional relevance: By organizing webinars and networking events, the group helps early-career medical physicists connect with experts and peers, exploring career opportunities and professional growth. The group also fosters collaboration among all members, both early and experienced, creating an inclusive environment for knowledge sharing and mutual support.

Educational relevance: The EC group is dedicated to supporting continuous learning by organizing webinars, Q&A sessions and hand-on experiences. The establishment of a comprehensive repository of resources could potentially benefit all SSRMP members. The EC provides valuable materials and expert insights to help members at all stages of their careers gain confidence and build the knowledge and skills needed in the medical physics profession.

Start date: 16.12.2024
End date: (permanent group)

Do you want to share ideas, provide feedback, help us organizing events?
Join the EC group by writing to: early.careers@ssrpm.ch

New SSRMP Working Group: Revision of Guidelines for Obtaining the SSRMP Medical Physics Certification

Chaired by Julien Ott

Dear experts,

we would like to invite you to participate in the working group “Revision of Guidelines for Obtaining the SSRMP Medical Physics Certification”. We will perform a revision of the current guidelines entitled "Richtlinien für die Erlangung der Fachanerkennung SGSMP für Medizinische Physik / Directives pour l’obtention de la spécialisation SSRPM en physique médicale" (January 2016 edition), including all associated annexes.
The goal is to incorporate recent developments in the certification framework, ensure alignment with current European curricula and Swiss regulations, and optimize the existing procedures to improve clarity and efficiency.

The following points fall under the scope of this revision:

- Relevant Commissions: Roles and responsibilities of the training, specialization, examination, and appeal commissions.
- Fields of Specialization: Radiation oncology, nuclear medicine, diagnostic radiology.
- Admission Requirements: Academic and professional prerequisites for candidates.
- Postgraduate Training: Structure, duration, theoretical and practical content, mentorship, and radiation protection training.
- Examination Procedures: Written and oral exam formats.
- Continuing Education: Requirements to maintain certification validity.
- Code of Conduct and Disciplinary Measures: Professional standards and possible sanctions.

Start date: Summer 2025 (tentative June)
End date: 2 years after start

Working group on the SSRMP webpage (https://ssrpm.ch/the-society/working-groups/).

Contact person:
Julien Ott (julien.ott@insel.ch)
Medizinphysiker
Radioonkologie
Inselspital Bern

Report of the kickoff meeting

SSRMP Working Group: Artificial Intelligence

Bern, April 4th 2025

The SSRMP Working Group on Artificial Intelligence aims at establishing a reference platform for discussing AI in the domain of Medical Physics. The first activity cycle will focus on collecting and sharing knowledge on AI.

The kickoff meeting of the AI WG took place on-site in Bern on April 4th. It started with a round of self-presentation from the participants: only some of us had direct experience in AI research or implementation, we all share a common interest for the topic and we agree that the medical physics community should be actively involved in the process of bringing AI into the clinical practice.
The WG has an open-ended structure with a re-evaluation of tasks and goals every 2 years. While the scope of the activities at any point will be constrained, we believe that this evolving structure will gradually leave space for the inclusion of new goals. Some tasks have been explicitly excluded from the current WG planning, as they are too technical to be discussed at national level (e.g. code development) or because we feel it is still too early (e.g. writing technical recommendations).
We also discussed the recently launched EFOMP survey on AI.
During the open discussion we touched a number of additional points:

- what is the level of collaboration envisioned between institutes on AI within the WG?
- AI is already being introduced in the institutes, not always in a seamless way
- for some institutes or activities the lack of official guidelines is already felt
- the importance of mandatory QA from authorities to foster implementation of proper QA
- news from BAG: a revision of the Radiation Protection Ordinance is being prepared in order to prepare the way for the inclusion of AI; BAG conducted a small survey among professional associations; Switzerland will accept the "AI convention" of the Council of Europe [1]

The proposed subgroups have been approved for immediate start: Repository, Survey and Education:

- The Repository subgroup will define the scope of the collection of resources on AI, and then implement and maintain the repository to support other future activities;
- The Survey subgroup will coordinate with other groups organizing similar activities (e.g. EFOMP) and design a national survey to complement and integrate the existing ones;
- The Educational subgroup will define the modality and programme of possible educational events on the topic of AI, to be later organized within the SSRMP.

The subgroups will organize independently, with the general goal to present the first results at the next plenary meeting foreseen for the Autumn.
The current state of the WG will also be presented at the next AMP Meeting in Bern in May.

Michele Zeverino, CHUV
Davide Cester, USZ

1. https://www.coe.int/en/web/artificial-intelligence/the-framework-convention-on-artificial-intelligence

European Congress of Radiology 2025

Vienna, 26th of February - 2nd of March 2025

As always held in the beautiful city of Vienna, the title of this year's ECR was "Planet Radiology", an effort to focus some attention on the topic of sustainability, although the bulk of the discussion as you can imagine is still centered on AI in its many different incarnations.

Session organization

The ECR continues to grow in size, now expanding its sessions into the adjacent UN buildings, which makes some talks just a little more challenging to find. In addition to the official app featuring the usual limitations, I had the impression that the session scheduling has been strongly optimized for a clinical audience, more than previous years. The programme is wide and rich, but the more technical topics are confined in the "Research Stage" sessions, often held in at 8:00 in the morning in small overcrowded rooms without streaming capabilities, which makes attendance difficult compared to other events. From a physicist's point of view this is far from optimal, because these sessions are very interesting and sometimes of practical impact; it's not by chance that these rooms were the only place in the vast ECR where I met other medical physicists (sometimes moderating the session).

Vendors, vendors, vendors

Compared to SCR and other events, ECR is for a large part a commercial fair with a relevant part of the floor space devoted to vendor exhibitions; some sessions organized by vendors are even held at booths in the exhibition area. While this area is the most crowded, complex to navigate and poorly covered by WiFi, it is also where physicists have a chance to touch and sometimes try out some real products such as dosimeters or phantoms. Additionally, this massive presence of vendors makes it easier to do networking with technical people, to the point that at the beginning of each year it is possible to schedule an appointment with key people directly during ECR. For "old-fashioned" people like myself, this opportunity to connect in person proved invaluable

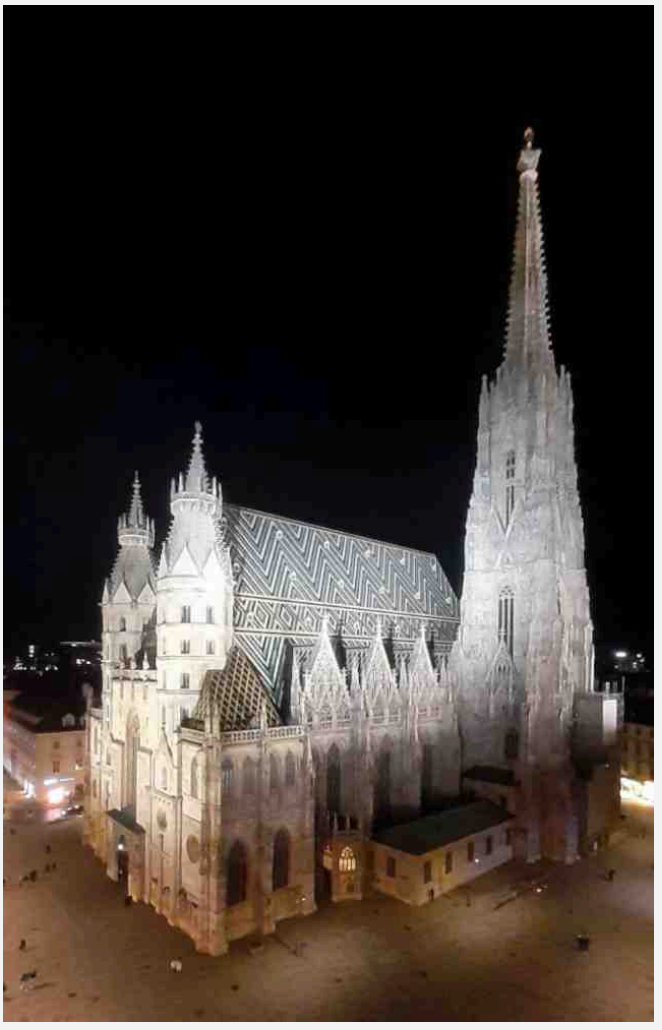
for discussing ideas or finalizing projects. Vendors know that and encourage it by providing some seating space and occasionally food and drinks.

Artificial Intelligence

AI is everywhere and is here to stay, but there's more. As AI transitioned from research topic to prototypes and finally to products, it also acquired a commercial taste that is increasingly shadowing the technical details. While this was to be expected, and is also to some extent even necessary as one can not always talk about AI at code level, "AI" looks more and more as a label that is attached by default to any new product. It does not help to soothe this feeling that the level of information provided by the vendors is very limited even when directly inquired (and some stopped providing leaflets and brochures altogether, you are asked to give them your email instead). I tried my best to understand a new AI reconstruction filter for CT that was being presented, and from what I saw I concluded that it was "just" a denoising algorithm, or something equivalent to it.

Sustainability

As mentioned, sustainability was the title topic of the event. Some sessions were quite specific (e.g. a commentary on the environmental impact of the global contrast media supply chain) while others were more general but still conveyed a strong message. The latest technological advancements require an exponentially growing amount of energy, to the point that it might soon become a real issue. This is not limited to the healthcare sector, of course.



Wien's beautiful St. Stephan's Cathedral

As a conclusion, this ECR felt more an industry-oriented event than past years, a bit difficult to navigate but still highly valuable in terms of direct connections and exposure to topics.

Davide Cester
University Hospital Zurich

KSR/KNS-Seminar “Radioactive Waste”

Kaserne Bern, 28th of March 2025

A Medical Physicist’s daily job is fortunately very uncontroversial and we can use ionizing radiation and even radioactive isotopes without having to face too much public scrutiny. Other radiation protection workers tend to get caught up quite a bit more in political discussions and have their work viewed in a much brighter spot light – especially so if you’re working in nuclear energy production or radioactive waste management (RWM). Time to take a closer look and see what their current challenges and solutions are!

On 28th of March 2025, the Federal Commissions for Radiation Protection (KSR/CPR) and Nuclear Safety (KNS/CSN) invited interested people to join their yearly seminar with the topic “Radioaktive Abfälle”/”Déchets radioactifs” (“Radioactive Waste”). If you have not yet heard of this series of seminars, each year, the KSR chooses one topic close to radiation protection and then invites speakers working in this field, out of the government administration and usually also some more “exotic” speakers. This usually makes for a very diverse set of opinions and points of view, covering many aspects of the chosen topic.

This year’s seminar opened with three presentations covering the basics of radioactive waste management – where it comes from, how to get rid of it and how to process and store the problematic waste with longer half-life isotopes. This was illustrated with the

steps and strategies employed during the demolition of two decommissioned research reactors at PSI, as well as the radioactive waste that is created during the normal operation of Gösgen's nuclear power plant KKG.

The next block of talks gave more practical insight into nuclear waste processing and disposal. In 2022 and 2024, the ENSI published two revised guides on radioactive waste disposal, which were presented in the first talk. Next, the operator of a Swiss landfill gave some insight into his experience with radioactive waste – stating "trash is my business" and giving a very anecdote-rich talk. As almost everywhere, it seems that keeping the neighbors happy is almost more difficult than complying with environmental standards…

Further, PSI gave more insight into their conditioning workflow, machinery and the state of the new intermediate storage ("Zwilag"). As an update, the current state of the demolition of Mühleberg's nuclear power plant (KKM) was presented.

After lunch at Kaserne Bern's "Timeout" restaurant, one entire session was devoted to the deep geological repository ("Geologisches Tiefenlager") currently planned in the "Nördlich Lägern" region of Zürich. In this session, three talks by the Federal Office of Energy (BFE), National Cooperative for the Deposition of Radioactive Waste (NAGRA) and the Swiss Federal Nuclear Safety Inspectorate (ENSI) sketched out the plans for planning, approving, possibly voting on and probably building the repository in the future.

In the final session, the view shifted to other countries – first, Austria presented their radioactive waste management. This is especially interesting, as Austria does not run nuclear power plants, still, some radioactive waste is generated in medical, industrial and scientific applications. Then, Sweden's plans for creating their own deep geological repository were presented. Sweden has been looking for a suitable site since the 1980s and has just started construction this January in Forsmark. Finally, the IAEA gave a broader view of radioactive waste management all around the world, with a lot of literature available from their website.

For anyone interested, the slides to all presentations are available in German and French from the KSR's website [1]. Next year, on Friday, 27th March 2026, the seminar will return with a more familiar topic – ionizing radiation in medical applications. Save the date!

Martin Härtig
Claraspital

[1] https://www.bag.admin.ch/bag/de/home/das-bag/organisation/ausserparlamentarische-kommissionen/eidgenoessische-kommission-fuer-strahlenschutz-ksr/taetigkeitsberichte-seminare-ksr.html

Fachstelle Strahlenschutz & Medizinphysik Kantonsspital Aarau

Left to right: Madlen Ernst, Sonja Weber, Jennifer Griessinger, Gerd Lutters, Orso Pusterla, Ismail Özden, Hannah Eggimann

Our mission: Our focus is to optimize and advance radiation-based imaging for diagnostic and therapeutic purposes across all clinical settings. We support our clinical colleagues in providing patient care of highest quality and in line with the best radiation safety standards. Our ambition is to implement state-of-the-art radiation protection practices in all clinical areas.

Our concept: We partner with several cantonal hospitals and are in close cooperation with various clinics and practices. Our activities include collaborative projects with research and industry partners. We are establishing a joint competence center between KSA and Health Ostschweiz (HOCH).

Our strategy: We are an interdisciplinary team of medical physicists and radiographers who complement each other with our specialized expertise in different clinical areas and applications. In specific sub-teams, we provide optimal support for all clinical departments and offer tailored solutions for our diverse range of clients.

Placing the highest emphasis on clinical workflows, our optimization strategies are based on the analysis of patient and staff doses, evaluation of image quality, and on-site measurements. In scientific collaboration with the Zurich University of Applied Sciences (ZHAW), we develop task-specific phantoms and analysis tools to assess image and diagnostic quality for various clinical questions and pathologies as well as to evaluate and implement the latest technological developments.

Through international collaboration, we are developing and advancing the open-source dose management system OpenREM (from the British NHS). Our aim is to integrate state-of-the-art technological advancements into classical radiation protection strategies to establish dose- and resource-efficient workflows. For example, we piloted one of the first implementations of the flow D scanner for testing radiation protection equipment in Switzerland. In addition, we offer continuous education courses for all professional groups and provide radiation protection training together with our partners at HOCH and Höheren Fachschule Gesundheit und Soziales (HFGS).

We introduce each other

Madlen Ernst
Registered Radiographer
Clinical Expertise and QM

Current project: QM strategies in radiation protection

"Madlen is a structured thinker with broad expertise in radiology & radiation protection who ensures a clear framework in every project. She is a powerful family woman, embracing every wave with her stand-up paddle!"

Ismail Özden
Medical Physicist SSRMP
Computed Tomography

Current project: Phantom development for specific indications in CT

"Ismail is a calm and methodical expert who combines deep knowledge with a precise approach to his work. He is a devoted family person who loves travelling."

Sonja Weber
Registered Radiographer
Clinical Expertise and Education

Current project: Implementation of continuous education and training

"Sonja is a passionate clinical expert who brings energy and enthusiasm to practical radiation protection and training. Agile, athletic and always eager to explore new places, she embraces life with curiosity and adventure."

Dr. Gerd Lutters
Medical Physicist SSRMP
Head of the group & projects

Current project: Development of the joint competence center of KSA and HOCH

"Gerd is our visionary leader of the team, a passionate mentor and collector of scientific knowledge and data. We appreciate his sense of humor, and he loves culture and enjoys traveling."

Dr. Orso Pusterla
Physicist (Trainee SSRMP)
Dose Management Systems

Current project: Advancing dose management system modules

"Orso is our innovative scientist with deep MRI and computational expertise who gets to the bottom of any challenge. He is caring and socially engaged, always striving to support others – and a true mountain lover in his free time."

Dr. Jennifer Griessinger
Medical Physicist SSRMP
Deputy Head of the group
Nuclear Medicine, Construction

Current project: Phantom development in nuclear medicine

"Jenny is a skilled analyst with a keen ability to see the bigger picture and with a determined yet sensitive approach. She is a true "PS powerwoman" with a passion for motorcycling."

Dr. Hannah Eggimann
Medical Physicist SSRMP
Interventional Procedures

Current project: Optimizing interventional workflows through time-resolved staff dosimetry

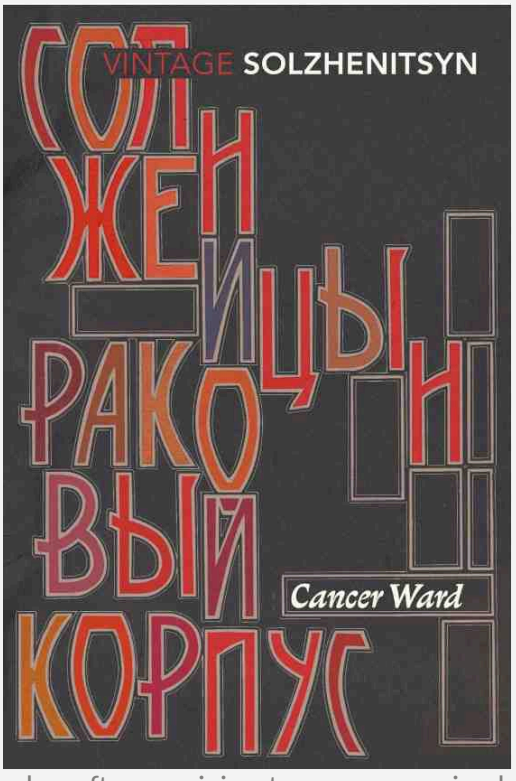
"Hannah is a sharp-minded and solution-oriented bridgebuilder who approaches challenges with focus and clarity. She loves new adventures and is a passionate film orchestra violinist."

Dr. Jörg Binder
Medical Physicist SSRMP

Current project: Enjoy life and retirement!

"Jörg contributed to the group with his deep expertise. We're incredibly grateful for the theoretical and practical knowledge he shared, and for the care he has always shown toward colleagues, medical staff, and patients. Thank you, Jörg – enjoy this well-deserved next chapter!"

Aleksandr Solzhenitsyn
CANCER WARD (1964)
A Historical Dive into the Fight Against Cancer



After a dive into science fiction, I'd like to introduce you to a book that might seem impressive or even off-putting at first. Some might say it's nothing original, but it's a true classic of Russian literature. Don't let the author's name or the page count scare you off: just read a few pages, and you'll soon find yourself immersed in the daily life of a 1950s radiotherapy unit in Soviet Russia.

"Cancer Ward" is a novel by Russian writer Alexander Solzhenitsyn, published in 1968. The story takes place in February and March of 1955 in a large city in Uzbekistan, just as the first signs of destalinization begin to emerge in the Soviet Union. Solzhenitsyn, who himself survived two cancer attacks, draws on his own experiences to describe in detail the treatments and interactions in the cancer ward.

The novel explores the daily life of a provincial oncology unit through the perspectives of doctors, nurses, and patients. The main character, Oleg Kostoglotov, is a former political prisoner who, after surviving two cancer episodes, is admitted to the ward for treatment. Through his journey and those of his fellow patients, the novel explores the themes of illness, suffering and death, while asking questions about the meaning of life.

"Cancer Ward" paints a broad picture of Soviet society, highlighting the complex relationships between individuals from vastly different backgrounds. One of the novel's most prominent themes is the idea that illness is the great equalizer. Paul Roussanov, once a simple worker turned high-ranking party official, resents having to share his daily life with those he considers of "lesser value." Yet, his tumor is too advanced for him to secure better medical care elsewhere in Russia within a reasonable timeframe.

For us physicists, Cancer Ward offers a unique perspective on both the medical and personal struggles of cancer treatment in a historically and politically charged setting. The book sheds light on the advancements and limitations of medical care at the time, while emphasizing the crucial role of humanity and compassion in patient care.

This reading deserves a place in our education, reminding us of how far we've come and how much has changed. More than that, it invites us to critically assess our own practices while reinforcing the importance of empathy and kindness in healthcare.

I hope I've piqued your curiosity—this novel, written in a direct and accessible style, is well worth the read!

Marie

Quiz

Rules
Find the right answer to each question. The corresponding letters taken in order will give you the final word:

_ _ _ _ _ _ _ _ _ _ _ _ _

1. Who can be considered the father of medical physics?
R. Wilhelm Röntgen
F. John Mallard
T. Louis Pasteur

2. Which radioactive element did Marie Curie discover?
E. Cesium
A. Radium
U. Thorium

3. In which year was the first CT scanner used on a patient?
F. 1955
R. 1967
D. 1971

4. Which imaging method is safest for pregnant women?
A. X-ray
O. MRI (without contrast)
I. Ultrasound

5. What year did Wilhelm Röntgen discover X-rays?
O. 1895
C. 1901
S. 1910

6. Which interaction dominates when high-energy photons (>10 MeV) interact with matter?
H. Photoelectric effect
S. Compton scattering
N. Pair production

7. Which factor most affects the probability of the photoelectric effect in diagnostic imaging?
E. Mass number of the atom
U. Atomic number (Z) of the absorber
O. Density of the material

8. In image reconstruction for CT, the filtered back-projection algorithm is used to:
T. Remove noise from the detector signal
L. Increase spatial resolution
C. Convert projection data into cross-sectional images

9. Which component in an MRI system is responsible for spatial localization of signals?
A. RF coils
L. Gradient coils
N. Shim coils

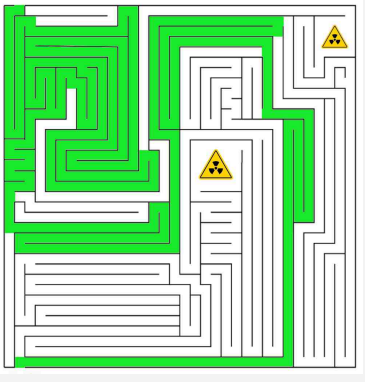
10. Who shared the Nobel Prize with Allan Cormack for CT development?
I. Godfrey Hounsfield
B. Rosalind Franklin
A. Ernest Lawrence

11. In radiotherapy, what does the term "isocenter" refer to?
R. The center of the imaging detector
D. The point in space where radiation beams converge
P. The center of mass of the target volume

12. In Compton scattering, what happens to the scattered photon?
Y. It disappears after energy transfer
A. It retains full energy and changes direction
E. It loses some energy and changes direction

Disclaimer: this game has been developed with the assistance of generative AI and validated by organic human beings.

Solution of the game of the January Bulletin:



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You are all invited to participate in the construction of our Bulletins.
Of desirability are all contributions that could be of interest to members of our society, such as

- Reports of conferences, working group meetings, seminars, etc.
- Reports on the work of various committees and commissions
- Succinct results of surveys, comparative measurements etc.
- Short portraits of individual institutions (E.g. apparatus equipment, priorities of work, etc.)
- Reports on national and international recommendations
- Short Press Releases
- Photos
- Cartoons & caricatures
- Announcement of publications (E.g. books, magazines)
- Announcement of all kinds of events (E.g. conferences, seminars, etc.)
- Short articles worth reading from newspapers or magazines (if possible in the original)
- Member updates (E.g. appointments, change of jobs, etc.)

The easiest way to send your document is as DOCX or ODT document via email to **bulletin@ssrmp.ch**.

Deadline for submissions to Bulletin No. 112 (Sep 2025): 15.08.2025

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Event Calendar

May 23 **Bern**	SSRMP AMP Meeting May 23 https://www.ssrmp.ch/events/
Jun 04 Nantes, F	63èmes Journées Scientifiques - SFPM Jun 04 - 06 https://www.sfpm.fr/agenda/categorie/journees-scientifiques/
Jun 04 **Geneve**	ISRS CNS Summit Jun 04 - 05 https://isrs-cns-summit.org/
Jun 13 **Bern**	Formation Course: Clinical Audits in Radiation Protection 2025 Jun 13 https://ssrpm.ch/events/clinical-audits-in-radiation-protection-2005/
Aug 28 Vilnius, LT	Research Course in Radiotheraphy Physics Aug 28 - 31 https://www.estro.org/Courses/2025/Research-Course-in-Radiotherapy-Physics
Sep 11 **Davos Klosters**	29th Annual SASRO Meeting 2025 Sep 11 - 13 https://www.sasro.ch/home-2025
Oct 07 Abu Dhabi, UAE	ICRP Symposium on the System of Radiological Protection Oct 07 - 09 https://icrp.org/page.asp?id=659
Oct 29 **Geneve**	SSRMP Congress and Annual Assembly Oct 29 - 30 https://www.ssrmp.ch/events/
Nov 30 Chicago, USA	RSNA 2025 Nov 30 - Dec 04 https://www.rsna.org/annual-meeting

And please, if you participate in any conference or meeting, think of writing a few lines or sending a picture for the Bulletin.

THANK YOU!