

Friday April 28

14.00 Opening

14.15 Advances in external radiation therapy

Chairpersons: C. Marchetti, W. Schmidt

Luca Cozzi, A. Fogliata, G. Nicolini, E. Vanetti, A. Clivio:

A plan intercomparison study for advanced algorithms for photon dose calculation

Peter Winkler, Alfred Hefner, Dietmar Georg:

A comparative study on the dosimetric characteristics of iViewGT a-Si EPIDs

C.Cavedon, P.Francescon, J.Stancanella, E.Berna, S.Cora, P.Scalchi, N.Satariano, P.Polloniato, F. Causin, F. Colombo:

The role of fMRI in radiosurgery: use of functional areas as dose-limiting volumes in treatment planning

R. Vidimari, A. Beorchia, M. Severgnini, F. De Guarrini and the PHONES Collaboration:
In-hospital photoneutron radiotherapy with BNCT: the PHONES- PHOto NEutron Source project

Peter Winkler:

Optimisation potential for the Dynamic Conformal Arc technique in the treatment of intracranial targets: a treatment planning study

15.30 Clinical Dosimetry and Quality Assurance in Radiotherapy

Chairmen: S. Jurković, B. Schiestl

Schmidt, W. F O; Poljanc, K; Zsolt, B; Haas, S.:

Control of dose for different algorithms and phantom setups for a treatment planning system

B. Vekić, R. Ban, S. Miljanić:

Secondary Standard Dosimetry Laboratory in Zagreb

P.Francescon, S.Cora, C.Cavedon, P.Scalchi, E.Berna, P.Polloniato, N.Satariano:

Dosimetry of small beams for radiosurgery: a comparison between various detectors and Monte Carlo simulation

Božidar Casar, Urban Zdešar:

Evaluation of water equivalency of Plastic Water™ for high energy electron beams

16.30 – 17.00 Coffee Break (sponsored by ELEKTA) and Poster Time

17.00 Clinical Dosimetry and Quality Assurance in Radiotherapy (cont.)

Chairmen: B. Casar, P.Winkler (Graz)

E. Hensler (technical presentation – ELEKTA)

New Frontiers in IMRT and IGRT

D. Berger, J. Dimopoulos, S. Lang, D. Georg, Richard Pötter, Christian Kirisits:

Dosimetry of MRI based brachytherapy treatment planning for cervical cancer – Comparison of new treatment techniques versus traditional approaches

S. Guariglia, C. Compri, M.D. Ferrari, Giri M.Grazia, Meliadó G., Rizzotti A., Chierego G.:
Commissioning of a mobile linac for IntraOperative Radiation Therapy

Saveta Miljanić, Branko Vekić:

Results of IAEA/WHO TLD postal dose quality audit performed in croatian radiotherapy centres

L. Bindoni, L. Fontan, L. Mantovani, M. Princivalli, V. Tonetto:

Dosimetry and clinical implementation of virtual wedges using a 2D pixel ionisation chamber

S. Šunjić, A. Drljevic, S. Vranic & S. Halilovic:
Establishment of a QA Programme at Institute of Oncology Sarajevo

R. Di Liberto:

Total Body Irradiation as an individual treatment: improving the therapeutic accuracy

T. Futschek, C. Somay, K. Pavlas, K. Poljanc, W. Schmidt, L. Teymournia, P. Lukas, H. Aiginger, R. Hawliczek:

Positioning of Prostate Patients by IGRT using the BAT-US System

D. Miklavčič:

In vivo electroporation for effective drug and gene delivery – electrochemotherapy and electrogenetherapy

20.00 Meeting Dinner

Saturday April 29

8.30 Education and Training of Medical Physicists - Round Table

Chairmen: W. Schlegel, M. Vrtar

T. Eudaldo:

The present status of Medical Physics Education and Training in Europe. EFOMP recommendations

J. Hernandez-Armas:

Recognition of Foreign diplomas of Medical Physics at European Union

M. Vrtar:

Postgraduate Specialist Study of Medical Physics in Croatia

A. Del Guerra:

Education and training in Italy

W. Schmidt:

25 years ÖGMP – a look back into history and to future challenges

A. Torresin:

AIFM School in Medical Physics “Piero Caldirola”: experience of continuing education

G. Stücklschweiger:

Medical Physics Education: Experience of the “Winterschule Pichl”

10.15 Clinical Dosimetry and Quality Assurance in Radiotherapy

Chairmen: R. Padovani, N. Kovačević

L. Cozzi, A. Fogliata, G. Nicolini, T. Knoos, E. Vanetti, A. Clivio:

The management of heterogeneity corrections in advanced algorithms for photon dose calculation

Budanec M, Bokulić T, Mrčela I, Kusić Z.:

Monte Carlo Simulation of the Co-60 Unit

**10.45-11.15 Coffee Break (sponsored by VARIAN)
and Poster Time**

I. Mrčela, T. Bokulić, M. Budanec, Z. Kusić:

In-vivo dosimetry with silicon diodes for Co-60 beams

M.R. Malisan, Trianni A., Foti C., Moretti E., Bonutti F., R. Padovani:

Dosimetric evaluation of treatments requiring the match of photon and electron fields

11.45 Nuclear Medicine and Radiation Protection

Chairmen: G.F. Meleddu, S. Lončarić

M. Sumini, D. Mostacci, F. Rocchi, M. Frignani, A. Tartari, A. Duatti, E. Angeli, U. Coli, D. Galaverni, B. Ascione, G. Cucchi:

PFMA-1: the first prototype of a Plasma Focus device for 18-F production

Darko Grošev, Srećko Lončarić:

Quality control of triple-head hybrid PET gamma camera

Bonutti F., S.Bortulus, E. Cragolini, M. Floreani, C.Foti, MR.Malisan, E.Moretti, A. Trianni, O. Geatti, R.Padovani:

Clinical count rates analysis in LSO based PET

Nibale O. Gava M. Mantovani L. Rubello D:

The Radioguided Surgery: Patients and Workers Radioprotection

Bagnara MC, Meneghini R.:

The IAEA/IDEAS Guidelines for the evaluation of internal dose: a work proposal for the medical exposure

13.00 Conclusion

POSTER PRESENTATIONS

1. Bindoni L., L. Fontan, L. Mantovani , M. Princivalli , V. Tonetto
Beam imaging method for pretreatment dosimetric verification of IMRT plans
2. Di Liberto R.
The use of LASER in surgery: safety and quality assurance
3. Džubur Sead, Vlado Deponte, Mirko Šamija
Big-bore CT Simulators for Radiotherapy: a comparison of current models
4. Ferki Fejza
Monitoring of absorbed dose level, by employees in department of nuclear medicine in Central Hospital of Prishtina
5. Ferki Fejza , Besim Xhafa, Rexhep Gashi
Monitoring the level of Radon in kindergarten, and in few schools in Vushtrri area
6. Foti C., M.R. Malisan, A. Trianni, A. Buffoli, S. Fongione, E. Moretti, F. Bonutti, R. Padovani
Initial clinical experience in accelerated partial breast irradiation with MammoSite RTS applicator
7. Hršak Hrvoje
Analysis of Gamma Knife dose distributions using a concept of equivalent uniform dose
8. Hudej Rihard, Attila Šarvari
A comparison of forward intensity modulated treatment planning and conformal treatment planning for radiotherapy of lymph nodes in the axilla and chest wall
9. Igna C. D. , D. P. Spencer
The normal brain tissue response to radiation. Do we understand it?
10. Jurković S, Bistrotić M , Faj D, Žauhar G , Matić, Smilović Radojčić Đ.
The construction of compensators for MV photon beams
11. Králik G., Kontrišová K, Fríbertová M
First experience with IMRT at Onc.Inst.St.Elisabeth
12. Marchetti C., L. Stea
Intra-operative and post-planning dosimetrical comparison in prostate seeds brachytherapy
13. Meneghini R.
Doses automatic fractionator in nuclear medicine

14. Moretti E., Trianni A., Malisan M.R., Cragolini E. Floreani M., Noselli M., Padovani R.
Clinical Commissioning of a mobile electron accelerator for intraoperative radiation therapy
15. Padovani R., K. Faulkner, H. Bosmans, H.P. Busch, J. J. Malone, E. Vano, A. Del Guerra, M.R. Malisan, C. Foti, F. Bonutti, A. Trianni
Sentinel: a multinational EU coordinated project for safety and efficacy of new radiological imaging equipment
16. Pietrobon F., E. Bellan
Acceptance test and performance comparison of two digital flat-panel systems for general radiography
17. Poljanc K., Oismüller R., Futschek T., F. Büchler, C. Somay, A. Ponholzer, S. Madersbacher, M. Rauchenwald, H. Aiginger, R. Hawliczek
Toxicity of Pd 103 and I 125 after Interstitial Brachytherapy – A Statistical Analysis after a follow-up of 5 years
18. Primik F., W. Raunik, E. Hager
IORT of Breast-Cancer – Air-Docking-Method – Angle of the central ray
19. Rizzotti A.; Compri C.; Giri M.G.; Guariglia S.; Meliadó G.; Chierego G.
Quality control in modern radiotherapy
20. Rizzotti A.; Ferrari M.D.; Giri M.G.; Guariglia S.; Meliadó G.; Chierego G.
Optimization of Radiological Examination of Scoliosis
21. Schiestl B., P. Eichberger, R.A. Sweeney, A. Wegmayr, T. Auberger, P. Lukas
What is the action level for patient position corrections using modern EPID?
22. Severgnini M., Vidimari R., Cupardo F., Borchia A.
Image registration process for radiotherapeutic treatment verification through Computed Radiography
23. Strojnik Andrej
Implementation of in vivo dosimetry with diodes in Ljubljana
24. Surić Mihić M., Meštrović T., Prlić I.
Radiation protection and security of radiation therapy sources
25. Tabarelli de Fatis P., Pasquali G., Bassetti C., Agostinelli S.
Dosimetric commissioning of a commercial treatment planning system
26. Viculin Tomislav, Davorin Bagović
Our Experience in Measurement and Preparing a Radiotherapeutical Photon Beams for Treatment Planning System
27. Vidimari R, Severgnini M., Cupardo F., Muzzolon F., Borchia A
GAFCHROMIC EBT film application in vivo dosimetry