

SASRO 2023



27th Annual SASRO Meeting
August 31 – September 02, 2023
Congress & Culture Centre Kursaal, Bern



Welcome to the SASRO Annual Meeting 2023!

Dear Colleagues

Dear Friends

The 27th SASRO Annual Meeting will take place in Bern, 31st August to 2nd September 2023 and we are delighted to cordially invite you all to join this event.

It is an honor for us to host this SASRO meeting together with the local organizing committee as well as the scientific committee and we are pleased to prepare an exciting scientific program.

The field of radiotherapy is constantly evolving towards novel treatment techniques and combined treatment modalities which improve patient care, survival and quality of life of cancer patients. Moving from population-based to personalized cancer care becomes more and more important. In this context adaptive radiotherapy recently made tremendous progress. However, while there is huge potential to integrate the newest adaptive treatment concepts into clinical routine, there are also enormous challenges ahead of us in the coming years. This is addressed in the heading of the SASRO conference 2023:

Adaptive Radiotherapy: Facing the challenges.

Based on well-established formats from previous meetings covering invited national and international key-opinion leaders, proffered paper sessions, focused symposia and many more, these challenges can be tackled in discussions with all professions in an interdisciplinary manner. In addition, the industry will make an integrative contribution to the scientific program and broaden the view from their perspective. This setting aims to provide a flexible platform to interactively exchange experience, gain new knowledge, making new and foster existing contacts, collaborations and friendships.

Thus, we believe that an exciting and interesting program for the multidisciplinary SASRO community is ahead of us.

In the name of the organization committee, we are looking forward to welcoming you to the SASRO annual meeting 2023 in Bern.

With warm regards,

Daniel M. Aebersold Michael K. Fix
Presidents SASRO Annual Meeting 2023

Main Program: Biology – Clinics – Physics
Room: Arena
09:30 – 10:30 **Welcome and Registration**
10:30 – 12:15 **Opening Ceremony**
SASRO – ESTRO Session: Challenges in Adaptive Radiotherapy
 Chairpersons: J. Bertholet, Bern; T. Zilli, Bellinzona

10:30 – 10:35 **OPENING AND WELCOME**
 Aebersold D., Bern; Fix M., Bern; Riesterer O., Aarau

10:35 – 11:00 **CHALLENGES IN ADAPTIVE RADIOTHERAPY: PHYSICS VIEW**
 Albertini F., Villigen

11:00 – 11:25 **CHALLENGES IN ADAPTIVE RADIOTHERAPY: BIOLOGY VIEW**
 Hammond E., Oxford

11:25 – 11:50 **CHALLENGES IN ADAPTIVE RADIOTHERAPY: PHYSICIAN VIEW**
 Guckenberger M., Zürich

11:50 – 12:15 **CHALLENGES IN ADAPTIVE RADIOTHERAPY: RADIATION THERAPIST VIEW**
 McNair H., London

12:15 – 13:45 **Poster Viewing and Industrial Exhibition**
Lunch Break
13:15 – 13:35 **Industry Session (Mvision)**
 Chairperson: R. Stähelin, Schlieren

13:15 – 13:25 **BENEFITS OF MVISION AI CONTOUR+, HIGH QUALITY AUTOMATED AI-CONTOURING IN THE CONTEXT OF OFFLINE AND ONLINE ADAPTIVE RT**
 Borland G., Helsinki

13:25 – 13:35 **TOWARDS FULL MR-ONLY WORKFLOW FOR MRGRT: EARLY RESULTS OF AI-BASED MR SEGMENTATION AND PELVIS SYNTHETIC CT GENERATION**
 Pachoud M., Rennaz

13:45 – 14:45 **Proffered Paper Session I**
 Chairpersons: D. Leiser, Villigen; E. Riggenschach, Bern

13:45 – 13:55 **INFLUENCE OF COLLIMATOR ANGLE ON DOSIMETRIC PLAN QUALITY OF 2-ARC VMAT PLANS FOR ACADEMIC AND CLINICALLY MOTIVATED CASES USING AN IN-HOUSE OPTIMIZER**
 Guyer G.*, Bertholet J., Mueller S., Volken W., Manser P., Fix M.K.

13:55 – 14:05 **IOSI-RT 001: A PHASE II SINGLE-ARM, MULTICENTER SWISS PROSPECTIVE TRIAL OF STEREOTACTIC IRRADIATION OF THE RESECTION CAVITY IN PATIENTS WITH BRAIN METASTASES FROM SOLID TUMORS**
 Pesce G.*, Casiraghi M., Andratschke N., Gross M., Zwahlen D.R., Ermis E., Herrmann E., Veas H.J., Castronovo F.M., Pupillo F., Martucci F., Canino P., Porro E., Deantonio L., Angrisani A., Valli M., Torri V., Presilla S., Zilli T., Bosetti D.G.

14:05 – 14:15 **A NEWLY DISCOVERED PHOSPHORYLATION SITE OF THE MET RECEPTOR TYROSINE KINASE, SER1016, IN MEDIATING TUMOUR GROWTH AND CANCER THERAPY RESISTANCE**
 Pozzato C.*, Koch J.P., Riedo R., Hayrapetyan L., Medo M., Aebersold D.M., Zimmer Y., Medova M.

14:15 – 14:25 **ADHERENCE TO AND IMPLEMENTATION OF MULTIDISCIPLINARY TUMOR BOARD RECOMMENDATIONS FOR THE MANAGEMENT OF OLIGOMETASTATIC CANCER PATIENTS**
 Christ S., Breitenstein M., Heesen P., Looman E.L.*, Turnur B., Muehlemaier U.J., Pohl K., Willmann J., Maurer A., Nagpal S.K., Ahmadsei M., Badra E.V., Heusel A., Mayinger M., Balermipas P., Wicki A., Andratschke N., Balboni T., Huynh M.A., Huellner M., Guckenberger M.

14:25 – 14:35 **FOCAL BRACHYTHERAPY AS DEFINITIVE TREATMENT FOR LOCALIZED PROSTATE CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS**
 Shelan M.*, Mohamad O., Nicosia L., Mathier E., Riggenschach E., Zamboglou C., Alongi F., Aebersold D.M.

Main Program: Biology – Clinics – Physics
Room: Arena

14:35 – 14:45 **RADIOMIC INTRAPATIENT-INTERTUMOR HETEROGENEITY AND OVERALL SURVIVAL OF METASTATIC MELANOMA PATIENTS TREATED WITH IMMUNE CHECKPOINT INHIBITION**
Gabrys H.*, Burgermeister S., Hogan S., Ramelyte E., Tanadini-Lang S., Huellner M., Dummer R., Levesque M., Guckenberger M.

14:45 – 16:00 *Informatics Symposium:*
Informatics in Radiation Oncology, Exchanging Information in a Clinical Context
Chairpersons: S. Peters, St. Gallen; F. Grozema, Geneva

14:45 – 15:05 **COMMON DATA ELEMENTS IN RADIATION ONCOLOGY**
Cihoric N., Bern

15:05 – 15:40 **TRANSFORMATION OF RADIOTHERAPY THROUGH BIG DATA**
Byrne J., Newcastle

15:40 – 16:00 **APPLIED INFORMATICS IN DECISION-MAKING IN RADIATION ONCOLOGY**
Putora P.M., St. Gallen

16:00 – 16:30 *Poster Viewing and Industrial Exhibition*
Coffee Break

16:30 – 16:50 *Industry Session (RaySearch)*
Chairperson: D. Breugnot D., RaySearch France

16:30 – 16:50 **ARTEMIS - ONLINE ADAPTIVE RADIOTHERAPY WITH ACCURAY RADIXACT AND RAYSEARCH PRODUCTS**
Breugnot D., RaySearch France

17:00 – 17:20 *Industry Session (Elekta)*
Chairperson: S. Majoor, Ratingen

17:00 -17:20 **ADAPTIVE RADIATION THERAPY (ART) AND A UNIQUE CLINICAL TOOLKIT**
Dell'Acqua V., Elekta Italy

17:30 – 18:00 *Honorary Member Session*
Chairpersons: O. Riesterer, Aarau, U. Schneider, Zürich

17:30 -17:40 **LAUDATIO**
Schneider U., Zürich

17:40 -18:00 **PROTON THERAPY – THE SWISS ARMY KNIFE OF RADIOTHERAPY?**
Recipient: Lomax A.J., Villigen

18:00 – 19:00 *SRO General assembly*

Main Program: Biology – Clinics – Physics
Room: Arena
08:00 – 08:30 **Registration and Poster**
08:30 – 09:30 **Artificial Intelligence: What is ready for clinical routine?**
 Chairpersons: M. Zeverino, Lausanne; A. Durham, Geneva

08:30 – 09:00 **WHAT IS KNOCKING ON THE DOOR OF CLINICS?**
 Reyes M., Bern

09:00 – 09:30 **WHAT IS READY FOR PATIENT'S BEDSIDE?**
 Giraud P., Paris

09:30 – 10:30 **Proffered Paper Session II**
 Chairpersons: F. Amstutz, Bern; L. Deantonio, Bellinzona

09:30 – 09:40 **MULTI-CENTER AUTO SEGMENTATION OF BRAIN METASTASES USING CONTINUAL PEER-TO-PEER FEDERATED LEARNING**
 Khodabakhshi Z.*, Huang Y., Fietkau R., Tanadini-Lang S., Guckenberger M., Putz F., Andratschke N.

09:40 – 09:50 **TRANSCRIPTOMIC RESPONSE OF ORAL SQUAMOUS CELL CARCINOMA TO METFORMIN TREATMENT - A PROSPECTIVE WINDOW OF OPPORTUNITY STUDY**
 Elicin O.*, Monney B., Dettmer M.S., Caparrotti F., Centeno Ramos C., Nisa L., Limacher A., Vassella E., Giger R., Müller S.A.

09:50 – 10:00 **ONLINE ADAPTIVE RADIATION THERAPY FOR PROSTATE CANCER: COMPARISON OF AI-BASED AND DIR-BASED WORKFLOWS FOR DAILY PROSTATE TARGET VOLUME GENERATION**
 Finazzi T.*, Channaoui M., Papachristofilou A., Zimmermann F.

10:00 – 10:10 **DOES LOWERING THE DOSE TO THE INTERNAL PUDENDAL ARTERIES IS DETERMINANT TO REDUCE THE RISK OF ERECTILE DYSFUNCTION AFTER SBRT FOR PROSTATE CANCER?**
 Achard V.*, Zilli T., Lamanna G., Jorcano S., Bral S., Rubio C., Oliveira A., Bottero M., Bruynzeel A., Ibrahimov R., Minn H., Symon Z., Constantin G., Miralbell R.

10:10 – 10:20 **DEVELOPMENT OF A DOSIMETRICALLY MOTIVATED PATH-FINDING APPROACH FOR NON-ISOCENTRIC DYNAMIC TRAJECTORY RADIOTHERAPY**
 Rossis K.*, Guyer G., Bertholet J., Volken W., Aebbersold D.M., Unkelbach J., Manser P., Fix M.K., Mueller S.

10:20 – 10:30 **BIOLOGICAL OPTIMISATION OF NON-COPLANAR BEAM ORIENTATIONS FOR RADIOTHERAPY WITH FUNCTIONAL LUNG AVOIDANCE**
 Bedford J.*, Ahmed M.

10:30 – 11:00 **Poster Viewing and Industrial Exhibition**
Coffee Break
11:00 – 12:15 **Physics Symposium**
Offline, online, real-time adaptation: challenges and opportunities
 Chairpersons: M. Conrad, Genolier; F. Albertini, Villigen

11:00 – 11:21 **OFFLINE, ONLINE, REAL-TIME ADAPTATION: CHALLENGES AND OPPORTUNITIES: INTRODUCTION**
 Thorwarth D., Tübingen

11:21 – 11:39 **OFFLINE, ONLINE, REAL-TIME ADAPTATION: CHALLENGES AND OPPORTUNITIES: IMAGING**
 Knopf A., Basel

11:39 – 11:57 **OFFLINE, ONLINE, REAL-TIME ADAPTATION: CHALLENGES AND OPPORTUNITIES: QA & RISK ANALYSIS**
 Klüter S., Heidelberg

11:57 – 12:15 **OFFLINE, ONLINE, REAL-TIME ADAPTATION: CHALLENGES AND OPPORTUNITIES: DOSE ACCUMULATION**
 Smolders A., Villigen

12:15 – 13:15 **Poster Viewing and Industrial Exhibition**
Lunch Break

Main Program: Biology – Clinics – Physics
Room: Arena

12:45 – 13:15 *Industry Symposium (Varian)*
 Chairperson: T. Wilson, Steinhausen

12:45 – 13:15 **OUR VISION USING HYPERSIGHT FOR OART ON ETHOS THERAPY AT BHRUT**
 Graham S., Romford

13:15 – 14:15 *Proffered Paper Session III*
 Chairpersons: M. Jaccard, Geneva; L. Hayrapetyan, Bern

13:15 – 13:25 **ONE SHOT - SINGLE SHOT RADIOTHERAPY FOR LOCALIZED PROSTATE CANCER: PRELIMINARY RESULTS OF A SINGLE ARM, MULTICENTER PHASE I/II TRIAL**
 Zilli T.*, Franzese C., Guckenberger M., Giaj-Levra N., Mach N., Koutsouvelis N., Achard V., McDonald A., Alongi F., Scorsetti M., Constantin G., Bertaut A., Miralbell R.

13:25 – 13:35 **MICROBEAMS OF RADIATION BOOST ANTI-TUMOR IMMUNE RESPONSE IN RADIORESISTANT MELANOMA**
 Trappetti V.*, Fernandez C., Potez M., Pellicoli P., Fazzari J., Martin O.A., Volarevic V., Djonov V.

13:35 – 13:45 **CBCT-BASED ONLINE ADAPTIVE RADIOTHERAPY OF ESOPHAGEAL CANCER: DOSIMETRIC BENEFITS AND FIRST CLINICAL EXPERIENCE**
 Bachmann N.*, Schmidhalter D., Corminboeuf F., Aebbersold D.M., Manser P., Hemmatazad H.

13:45 – 13:55 **VALIDATING ENERGY-CONSERVATION CRITERION FOR PATIENT-SPECIFIC QUALITY ASSURANCE OF DEFORMABLE DOSE ACCUMULATION UNDER ANATOMICAL CHANGES**
 Amstutz F.*, Wu X., Hecker A., Weber D.C., Unkelbach J., Lomax A.J., Zhang Y.

13:55 – 14:05 **A SPATIOTEMPORAL FRACTIONATION APPROACH FOR TREATING MULTIPLE BRAIN METASTASES**
 Arend P., Torelli N.*, Unkelbach J.

14:05 – 14:15 **EXTENSION OF THE BREAK-EVEN FORMALISM FOR HYPOFRACTIONATED FLASH-RT TO NON-EQUIEFFECTIVENESS FOR TUMOURS, SENSITIVITY STUDY, AND APPLICATION TO GLIOBLASTOMA**
 Böhlen T.*, Germond J.-F., Bailat C., Ozsahin E.M., Herrera F., Hottinger A., Bourhis J., Bochud F., Moeckli R.

14:15 – 15:30 *Biology Symposium*
RoR: Revolution of Radiobiology
 Chairpersons: Y. Zimmer, Bern; V. Grilj, Lausanne

14:15 – 14:40 **ADAPTIVE RADIOTHERAPY ON THE PRECLINICAL LEVEL**
 Pruschy M., Zürich

14:40 – 15:05 **PRECISION ONCOLOGY DRIVEN BY DNA DAMAGE REPAIR**
 Rubin M., Bern

15:05 – 15:30 **COMBINED RADIO-IMMUNOTHERAPY**
 Niedermann G., Freiburg i. Brsg.

15:30 – 16:30 *Poster Viewing and Industrial Exhibition*
Coffee Break

15:45 – 16:30 *Network Cafe*

16:30 – 17:30 *Young Investigator: Selected Proffered Paper Session*
 Chairpersons: T. Buchsbaum, Zürich; A. Stenger, Luzern

16:30 – 16:42 **A STATISTICAL MODEL OF LYMPH NODE INVOLVEMENT FOR ORAL CAVITY SQUAMOUS CELL CARCINOMA**
 Widmer L.*, Ludwig R., Werlen S., Barbatei D., Elicin O., Dettmer M.S., Balcermpas P., Pouymayou B., Giger R., Grégoire V., Schuber A., Unkelbach J.

16:42 – 16:54 **CLINICAL TREATMENT TIME INTERVAL BETWEEN HYPERTHERMIA AND RADIOTHERAPY, AND THE INFLUENCE OF SEQUENCE – A 1-YEAR SINGLE CENTER EXPERIENCE**
 Varatharajan A.*, Fürstner M., Reist M., Bachmann N., Suleiman M., Cihoric N., Manser P., Aebbersold D.M., Stutz E.

Main Program: Biology – Clinics – Physics
Room: Arena

- 16:54 – 17:06 **SPATIALLY FRACTIONATED LATTICE STEREOTACTIC BODY RADIOTHERAPY FOR LARGE TUMOR VOLUMES: A FEASIBILITY DOSIMETRIC STUDY**
Dufour M.*, Coppotelli M., Corsi M., Castronovo F.M., Zilli T., Presilla S., Casiraghi M., Angrisani A., Deantonio L.
- 17:06 – 17:18 **RADIOTHERAPY COMBINED WITH DEEP REGIONAL HYPERTHERMIA IN ELDERLY AND FRAIL PATIENTS WITH MUSCLE INVASIVE BLADDER CANCER: ANALYSIS OF CLINICAL OUTCOMES AND VARIATION OF TEMPERATURE METRICS**
Ademaj A.*, Puric E., Marder D., Timm O., Kern T., Hälg R., Riesterer O.
- 17:18 – 17:30 **SIMULTANEOUS PHOTON AND ELECTRON BEAM-ANGLE OPTIMIZATION FOR DYNAMIC-COLLIMATOR MIXED BEAM RADIOTHERAPY (COLLI-DYMBER)**
Zhu C.*, Bertholet J., Guyer G., Mueller S., Loebner H., Aebersold D.M., Stampanoni M., Fix M.K., Manser P.

17:30 – 18:00 *Honorary Member Session*
Chairpersons: O. Riesterer, Aarau, J. Bourhis, Lausanne

- 17:30 -17:40 **Laudatio**
Bourhis J., Lausanne
- 17:40 -18:00 **RADIATION-INDUCED LYMPHOCYTE APOPTOSIS FOR PREDICTION OF NORMAL TISSUE REACTION: PRIMETIME FOR ROUTINE CLINICAL USE**
Recipient: Azria D., Montpellier

18:00 – 19:00 *SASRO General Assembly*

Program: Study Coordinators – Technicians
Room: Szenario 2

08:00 – 09:30 *Registration and Poster*

09:30 – 10:30 *Study Coordinators: Further Use Data / Data Protection*
 Chairpersons: S. Schwenne, Aarau; A. Schiess, Zürich

09:30 – 10:00 **DATA PROTECTION / FURTHER USE**
 Uttinger U., Zürich

10:00 – 10:30 **DE-IDENTIFICATION PROJEKT – SIB (SWISS INSTITUTE OF BIOINFORMATICS)**
 Maurer J., Basel

10:30 – 11:00 *Poster Viewing and Industrial Exhibition*
Coffee Break

11:00 – 12:15 *Study Coordinators: What we are doing*
 Chairpersons: T. Nannen, Bern; S. Schwenne, Aarau

11:00 – 11:05 **INTRODUCTION**
 Nannen T., Bern

11:05 – 11:35 **DATA RETROSPECTIVE SUBMISSION FURTHER USE**
 Trelle S., Bern

11:35 – 11:55 **SOURCE DATA - VIEW FROM A CRA**
 Heim B., Cheseaux-Noréaz

11:55 – 12:15 **SPCRC - VORSTELLUNG BERUFSVERBAND**
 Seeberger E., Basel

12:15 – 13:15 *Poster Viewing and Industrial Exhibition*
Lunch Break

12:45 – 13:15 *Industry Symposium (Varian)*
Room: Arena
 Chairperson: T. Wilson, Steinhausen

12:45 – 13:15 **OUR VISION USING HYPERSIGHT FOR OART ON ETHOS THERAPY AT BHRUT**
 Graham S., Romford

13:15 – 14:30 *Technicians: Proffered Paper Session I*
 Chairpersons: U. Dechantsreiter, Luzern; M. Zorneth, Villigen

13:15 – 13:30 **BOARD MEMBER DISCUSSION**
 Technician Board Members

13:30 – 13:50 **IMPLEMENTING A COMPLETELY “TATTOOLESS” WORKFLOW IN A RADIATION ONCOLOGY DEPARTMENT**
 Shelton C.*, Worthington T., Belosi F., Tanadini-Lang S., Guckenberger M., Perryck S.

13:50 – 14:10 **EVALUATION OF AN AI-BASED AUTOMATIC SEGMENTATION SOLUTION FOR PELVIS T2-WEIGHTED MRI USED IN DAILY ONLINE RE-PLANNING AT UNITY MR-LINAC**
 Bürki S.*, Sfameni N., Zahno M., Lacombe C., Reis F., Granger S., Da Cruz C., Pachoud M., Pisaturo O., Ghandour S.

14:10 – 14:30 **THE FUTURE OF STEREOTACTIC RADIOTHERAPY: RTT EDITION**
 Cogan S.*

Program: Study Coordinators – Technicians
Room: Szenario 2

14:30 – 15:30 **Joint Study Coordinators – Technicians Session: Quality Assurance**
Chairpersons: M. Reist, Bern; A. Schiess Zürich

14:30 – 15:00 **RISK MANAGEMENT IN RADIATION ONCOLOGY: “PAST” AND FUTURE PERSPECTIVES FROM A 20 YEARS PERSONAL EXPERIENCE**
Brusadin G., Paris

15:00 – 15:30 **RADIOTHERAPY QUALITY ASSURANCE IN CLINICAL TRIALS**
Tanadini-Lang S., Zürich

15:30 – 16:30 **Poster Viewing and Industrial Exhibition**
Coffee Break

16:30 – 17:30 **Technicians: Occupational Psychology**
Chairpersons: S. Bédert, Bern; K. Scherz, Bern

16:30 – 17:30 **A TIME OUT SESSION WITH MARC KRIPPENDORF**
Krippendorf M., Bern

17:30 – 18:00 **Honorary Member Session**
Room: Arena
Chairpersons: O. Riesterer, Aarau, J. Bourhis, Lausanne

17:30 -17:40 **Laudatio**
Bourhis J., Lausanne

17:40 -18:00 **RADIATION-INDUCED LYMPHOCYTE APOPTOSIS FOR PREDICTION OF NORMAL TISSUE REACTION: PRIMETIME FOR ROUTINE CLINICAL USE**
Recipient: Azria D., Montpellier

18:00 – 19:00 **SASRO General Assembly**
Room: Arena

Program: Nurses
Room: Szenario 1
08:00 – 09:00 **Registration and Poster**
09:00 – 10:30 **Challenges in Caring for Elderly Cancer Patients**
Herausforderungen bei der Betreuung älterer Menschen mit Krebs
 Chairpersons: A. Margulies, Zürich; M. Vetter, Basel Land

09:00 – 09:30 **“THE SILVER TSUNAMI“ - WHY CARE OF THE ELDERLY IS BECOMING EVER IMPORTANT**
“DIE STURMWELLE DER GRAUHAARIGEN“ - WIESO DAS THEMA DER BETREUUNG ÄLTERER
MENSCHEN ZUNEHMEND WICHTIGER WIRD
 Gagesch M., Zürich

09:30 – 09:50 **RADIATION-ONCOLOGY PERSPECTIVE**
PERSPEKTIVE RADIO-ONKOLOGIE
 Ionescu C., Bern

09:50 – 10:10 **CHEMOTHERAPY PERSPECTIVE**
PERSPEKTIVE CHEMOTHERAPIE
 Beyer J., Bern

10:10 – 10:30 **NURSE PERSPECTIVE**
PERSPEKTIVE PFLEGE
 In-Albon F., Bern

10:30 – 11:00 **Poster Viewing and Industrial Exhibition**
Coffee Break
11:00 – 12:15 **Everday problems in older patients care: Geriatric Outpatient Clinic, Dementia, Polypharmacy**
Alltägliche Probleme bei der Betreuung älterer Patienten: Geriatrische Ambulanz, Demenz,
Polypharmazie
 Chairpersons: W. Rösler, Zürich; S. Sester, Bern

11:00 – 11:30 **GERIATRIC SCREENING INSTRUMENTS**
INSTRUMENTE IM GERIATRISCHEN SCREENING
 (Presentation in German)
 Rösler W., Zürich

11:30 – 12:15 **DISCUSSION: PRO AND CONS OF GERIATRIC SCREENING**
DISKUSSION: PRO UND CONS DES GERIATRISCHEN SCREENINGS
 Vetter M., Basel Land; Rothschild S., Baden

12:15 – 13:15 **Poster Viewing and Industrial Exhibition**
Lunch Break
12:45 – 13:15 **Industry Symposium (Varian)**
Room: Arena
 Chairperson: T. Wilson, Steinhausen

12:45 – 13:15 **OUR VISION USING HYPERSIGHT FOR OART ON ETHOS THERAPY AT BHRUT**
 Graham S., Romford

13:15 – 15:30 **Experience From Practice**
Erfahrungen aus der Praxis
 Chairpersons: A. Margulies, Zürich; S. Sester, Bern

13:15 – 14:00 **HOW TO ESTABLISH A GERIATRIC OUTPATIENT CLINIC**
AUFBAU EINER GERIATRISCHEN SPRECHSTUNDE
 Dougoud V., Freiburg

14:00 – 14:45 **DEMENTIA AND CANCER**
DEMENZ UND KREBS
 Umarova R., Bern

Program: Nurses
Room: Szenario 1

14:45 – 15:30 **POLYPHARMACY IN THE ELDERLY**
POLYPHARMAZIE IM ALTER
Dartsch D., Hamburg

15:30 – 16:30 *Poster Viewing and Industrial Exhibition*
Coffee Break

16:30 – 17:30 *Panel Discussion: How Can We Promote Better Care Of Elderly Cancer Patients?*
Podiumsdiskussion:
Chairperson: J. Beyer, Bern

16:30 – 17:30 **HOW CAN WE PROMOTE BETTER CARE OF ELDERLY CANCER PATIENTS?**
WIE KÖNNEN WIR DIE BETREUUNG ÄLTERER MENSCHEN MIT KREBS BESSER IN DEN FOKUS BRINGEN?
All Participants and Chairs from the Nurse-Sessions

17:30 – 18:00 *Honorary Member Session*
Room: Arena
Chairpersons: O. Riesterer, Aarau, J. Bourhis, Lausanne

17:30 -17:40 **Laudatio**
Bourhis J., Lausanne

17:40 -18:00 **RADIATION-INDUCED LYMPHOCYTE APOPTOSIS FOR PREDICTION OF NORMAL TISSUE REACTION: PRIMETIME FOR ROUTINE CLINICAL USE**
Recipient: Azria D., Montpellier

18:00 – 19:00 *SASRO General Assembly*
Room Arena

Main Program: Biology – Clinics – Physics
Room: Szenario 2
08:00 – 08:30 **Registration and Poster**
08:30 – 09:30 **Debate: Adaptive Hyperthermia is the Future of Modern Radiotherapy!**
 Chairpersons: M. Casiraghi, Bellinzona; O. Riesterer, Aarau; M. Notter, Bern

08:30 – 08:35 **INTRODUCTION TO THE TOPIC**
 Stutz E., Bern

08:35 – 08:50 **DEBATE FOR THE PROPOSITION**
 Crezee H., Amsterdam; Ghadjar P., Berlin

08:50 – 09:05 **DEBATE AGAINST THE PROPOSITION**
 Thengumpallil S., Geneva; Bourhis J., Lausanne

09:05 – 09:20 **COMMENTS FROM THE AUDIENCE**

09:20 – 09:25 **REBUTTAL FOR THE PROPOSITION**
 Crezee H., Amsterdam; Ghadjar P., Berlin

09:25 – 09:30 **REBUTTAL AGAINST THE PROPOSITION**
 Thengumpallil S., Geneva; Bourhis J., Lausanne

09:30 – 10:30 **Proffered Paper Session IV**
 Chairpersons: V. Vallet, Lausanne; E. Vlaskou-Badra, Zürich

09:30 – 09:40 **CLINICAL IMPLEMENTATION OF AN MR-ONLY WORKFLOW FOR THE PROSTATE RADIOTHERAPY TREATMENT: CHALLENGES AND ACHIEVEMENTS**
 Milan L.*, Pupillo F., Corsi M., Coppotelli M., Casiraghi M., Krzekotowska K., Piliero M.A., Presilla S.

09:40 – 09:50 **STEREOTACTIC BODY RADIOTHERAPY FOR OLIGOPROGRESSION WITH OR WITHOUT SWITCH OF SYSTEMIC THERAPY**
 Willmann J.*, Badra E.V., Adilovic S., Ahmadsei M., Christ S., Tanadini-Lang S., Mayinger M., Guckenberger M., Andratschke N.

09:50 – 10:00 **COMPARISON OF PREDICTED XEROSTOMIA AND DYSPHAGIA FOR DYNAMIC TRAJECTORY RADIOTHERAPY AND VOLUMETRIC MODULATED ARC THERAPY FOR HEAD AND NECK CANCER**
 Bertholet J.*, Mackeprang P.-H., Loebner H., Mueller S., Guyer G., Frei D., Volken W., Elicin O., Aebbersold D.M., Fix M.K., Manser P.

10:00 – 10:10 **INTER- AND INTRAFRACTIONAL 4D DOSE ACCUMULATION FOR EVALUATING Δ NTCP ROBUSTNESS IN LUNG CANCER**
 Smolders A.*, Hengeveld A., Both S., Wijsman R., Langendijk J.A., Weber D.C., Lomax A.J., Albertini F., Guterres Marmitt G.

10:10 – 10:20 **EFFICACY AND SAFETY ANALYSIS IN METASTATIC CANCER PATIENTS TREATED WITH MULTIPLE COURSES OF REPEAT RADIATION THERAPY**
 Ahmadsei M.*, Christ S., Kroese T., Kühnis A., Willmann J., Balermipas P., Andratschke N., Tanadini-Lang S., Guckenberger M.

10:20 – 10:30 **INTRAOPERATIVE RADIOTHERAPY (IORT) AS A BOOST IN SOFT TISSUE SARCOMAS OF THE EXTREMITY: LONG-TERM RESULTS OF A RETROSPECTIVE COHORT**
 Zabini A.*, Ionescu C., Kollár A., Klenke F.M., Kurze C., Olariu R., Lese I., Stutz E., Lössl K., Riggensbach E.

10:30 – 11:00 **Poster Viewing**
Coffee Break
11:00 – 11:20 **Industry Session (Accuray)**
 Chairperson: Moeckli R., Lausanne

11:00 – 11:20 **REAL TIME QA FOR ADAPTIVE ON THE RADIXACT® PLATFORM**
 Moeckli R., Lausanne

Main Program: Biology – Clinics – Physics
Room: Szenario 2

11:30 – 12:45 **Clinical Symposium**
Adaptive Radiotherapy: Current Status and Perspectives
Chairpersons: B. Baumert, Chur; L. Plasswilm, St. Gallen

11:30 – 11:45 **ADAPTIVE RADIOTHERAPY: CURRENT STATUS AND PERSPECTIVES IN GENITOURINARY CANCER**
Schüler H.G., St. Gallen

11:45 – 12:00 **ADAPTIVE RADIOTHERAPY: CURRENT STATUS AND PERSPECTIVES IN LUNG CANCER**
Finazzi T., Basel

12:00 – 12:15 **ADAPTIVE RADIOTHERAPY: CURRENT STATUS AND PERSPECTIVES IN GASTROINTESTINAL AND GYNECOLOGICAL CANCER**
Stewart A., Guildford

12:15 – 12:30 **ADAPTIVE RADIOTHERAPY: CURRENT STATUS AND PERSPECTIVES IN HEAD AND NECK CANCER**
Balermipas P., Zürich

12:30 – 12:45 **FUTURE OF ADAPTIVE RADIOTHERAPY: "IN 10 YEARS, ALL TREATMENT WILL BE DONE WITH ADAPTIVE RADIOTHERAPY"**
Alongi F., Verona

12:45 – 13:00 **Award and Closing**

Program: Technicians
Room: Szenario 1

08:00 – 08:30 **Registration and Poster**

08:30 – 09:00 **Adaptive Workflow**

Chairpersons: A. van der Ziel, Bern; S. Scherz, Bern

08:30 – 09:00 **MR-LINAC ADAPTATION AND PARALLEL WORKFLOW**
 Nilo K., Zürich

09:00 – 10:30 **Radiation Protection**

Chairpersons: A. van der Ziel, Bern; S. Scherz, Bern

09:30 – 09:30 **LATEST NEWS FROM THE RADIATION PROTECTION**
 Salm G., Bern

09:30 – 10:00 **PAY PER VIEW – IGRT MEETS RADIATION PROTECTION (PART I)**
 Henzen D., Bern

10:00 – 10:30 **PAY PER VIEW – IGRT MEETS RADIATION PROTECTION (PART I)**
 Calle C., Bern

10:30 – 11:00 **Poster Viewing**
Coffee Break

11:00 – 11:20 **Industry Session (Accuray)**

Room: Szenario 2

Chairperson: Moeckli R., Lausanne

11:00 – 11:20 **REAL TIME QA FOR ADAPTIVE ON THE RADIXACT® PLATFORM**
 Moeckli R., Lausanne

11:30 – 12:00 **Educational Perspectives**

Chairpersons: G. Risse, Fribourg; F. Grozema, Geneva

11:30 – 12:00 **LEARN-PATH: A NEW INSTRUMENT FOR EDUCATION OF RTTS IN CLINICAL PRACTICE**
 Graber M., Bern

12:00 – 12:40 **Technicians: Proffered Paper Session II**

Chairperson: G. Risse, Fribourg; F. Grozema, Geneva

12:00 – 12:20 **EXPLORING THE CAPABILITIES OF LARGE LANGUAGE MODELS SUCH AS CHATGPT IN RADIATION ONCOLOGY**
 Dennstädt F.*, Hastings J., Putora M., Vu E., Fischer G., Süveg K., Glatzer M., Riggenbach E., Linh Hà H., Cihoric N.

12:20 – 12:40 **OVERVIEW OF AI IMPLEMENTATION IN RADIATION ONCOLOGY FOCUSING ON RTTS PRACTICE**
 Marmy L.*, Champendal M.

12:45 – 13:00 **Award and Closing**
Room: Szenario 2

Program: Poster Presentations
Entrance Exhibition Area

Biology

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- | | |
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| BP01 | A NEW MOUSE MODEL OF RADIATION-INDUCED LIVER DISEASE REVEALS MITOCHONDRIAL DYSFUNCTION AS AN UNDERLYING FIBROTIC STIMULUS
Melin N.*, Yarahmoadov T., Sanchez-Taltavull D., Birrer F.E., Brodie T.M., Petit B., Felser A., Nuoffer J.-M., Montani M., Vozenin M.-C., Herrmann E., Candinas D., Aebersold D.M., Stroka D. |
| BP02 | CHROMATIN ORGANIZATION OF PERIPHERAL BLOOD MONONUCLEAR CELLS REFLECTS TREATMENT EFFECTS OF PROTON RADIATION THERAPY
Challa K., Paysan D., Leiser D.*, Weber C.W., Shiwashankar G.V. |
| BP03 | EXPLORING THE DUAL ROLE OF SPRR2A IN INVASIVENESS AND THERAPEUTIC RESISTANCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Zabini A.*, Schanne D., Quantin A., Faruqi I., Aebersold D.M., Zimmer Y., Medova M. |
| BP04 | SYNCHROTRON MICROBEAM RADIATION THERAPY SPARES MOUSE AND HUMAN LUNG TISSUE
Trappetti V.*, Fernandez C., Pelliccioli P., Potez M., Fazzari J., Marti T.M., Djonov V. |
| BP05 | HEAD AND NECK SQUAMOUS CELL CARCINOMA MODELS WITH ALTERED P53 BENEFIT FROM THE COMBINATION OF IRRADIATION AND THE DNA-PK INHIBITOR PEPOSERTIB.
Hayrapetyan L.*, Roth S., Hovhannisyan L., Quantin A., Ott J., Medo M., Aebersold D.M., Zimmer Y., Medova M. |
| BP06 | IMMUNE SIGNATURE TO PREDICT EARLY TOXICITIES OF HEAD AND NECK SQUAMOUS CELL CARCINOMA PATIENTS FOLLOWING MULTIMODAL THERAPY
Riedo R.*, Pilarski J., Elicin O., Aebersold D.M., Stoycheva D., Carl S., Medova M. |

Program: Poster Presentations
Entrance Exhibition Area
Clinics

- CP01 **ELECTIVE NODAL IRRADIATION FOR OLIGORECURRENT NODAL PROSTATE CANCER: INTER-OBSERVER VARIABILITY IN THE PEACE V-STORM RANDOMIZED PHASE II TRIAL**
Lorton O., Achard V.*, Koutsouvelis N., Jaccard M., Vanhoutte F., Dipasquale G., Ost P., Zilli T.
- CP02 **REGIONAL RADIATIVE THERMO-RADIOTHERAPY: THE CURRENT PRACTICE IN SWITZERLAND AND PATTERNS OF CARE ANALYSIS**
Stutz E.*, Puric E., Ademaj A., Künzi A., Krcek R., Timm O., Marder D., Nötter M., Rogers S., Bodis S., Riesterer O.
- CP03 **COMPARTMENTALIZATION FOR ORAL CAVITY CANCER: OUTCOME OF A DE-ESCALATING STRATEGY**
Riggenbach E.*, Waser M., Müller S.A., Aebbersold D.M., Giger R., Elicin O.
- CP04 **SAFETY OF ULTRA-HYPOFRACTIONATED PELVIC NODAL IRRADIATION FOR HIGH RISK PROSTATE CANCER PATIENTS: SYSTEMATIC REVIEW AND META-ANALYSIS**
Shelan M.*, Zilli T., Aebbersold D.M.
- CP05 **SINGLE VS. MULTIPLE FRACTION STEREOTACTIC RADIOSURGERY FOR MEDIUM- SIZED BRAIN METASTASES (4-14 CC IN VOLUME): A SINGLE CENTER RETROSPECTIVE ANALYSIS**
Reinhardt P.*, Uysal E., Ahmadli U., Hakim A., Ermis E.
- CP06 **FIVE FRACTIONS VERSUS SEVEN FRACTIONS SBRT FOR INTERMEDIATE AND HIGH RISK PROSTATE CANCER: A PROPENSITY SCORE MATCHED PAIR ANALYSIS**
Schröder C.*, Mose L., Förster R., Mathier E., Zwahlen D.R., Aebbersold D.M., Shelan M.
- CP07 **STEREOTACTIC RE-IRRADIATION FOR RECURRENT GLIOBLASTOMA: A SURVEY OF PRACTICE IN SWITZERLAND AND A MULTICENTRE ANALYSIS.**
Rogers S.*, Gross M., Ermis E., Cosgun G., Baumert B.G., Mader T., Schröder C., Lomax N., Alonso S., Lazeroms T., Jegatheeswaran K., Lee S.-Y., Mayinger M., Fellmann P., Schwyzer L., Schubert G., Riesterer O.
- CP08 **RANDOM SURVIVAL FOREST MODEL FOR PREDICTING BIOCHEMICAL OUTCOME OF SALVAGE RADIOTHERAPY AFTER RADICAL PROSTATECTOMY**
Shelan M.*, Janbain A., Arnoux A., Aebbersold D.M., Schael S.
- CP09 **WATCHFUL WAITING AFTER DEFINITIVE RADIOCHEMOTHERAPY IN PATIENTS WITH ESOPHAGEAL CANCER: INDEPENDENT PREDICTORS FOR RECURRENCE**
Hemmatzad H.*
- CP10 **STEREOTACTIC BODY RADIOTHERAPY FOR POLYMETASTATIC PATIENTS WITH MORE THAN 10 EXTRA-CRANIAL LESIONS: A FEASIBILITY STUDY**
Iori F.*, Torelli N., Unkelbach J., Tanadini-Lang S., Christ S., Guckenberger M.
- CP11 **RISK ASSESSMENT OF THE DAILY ADAPTIVE PROTON THERAPY WORKFLOW (DAPT) AT PSI**
Czerska K.*, Andaca I., Choulilitsa E., Emert F., Ruggieri F.G., Hrbacek J., Jakobsen S.C., Lomax A.J., Leiser D., Meijers A., Trosch S., Van Heerden M., Vazquez M., Weber D.C., Albertini F.
- CP12 **FINANCIAL TOXICITY IN SWISS CANCER PATIENTS TREATED WITH PROTON THERAPY: AN OBSERVATIONAL CROSS-SECTIONAL STUDY ON SELF-REPORTED OUTCOME**
Bachtary B.*, Grawehr L., Held U., Weber D.C.
- CP13 **MAGNETIC RESONANCE GUIDED STEREOTACTIC REIRRADIATION IN LOCALLY RECURRENT PROSTATE CANCER: A MONOCENTRIC RETROSPECTIVE ANALYSIS**
Laouiti M.*, Mazouni Z., Mugge E., Breuneval T.
- CP14 **DOSE-VOLUME HISTOGRAM PARAMETERS AND QUALITY-OF-LIFE IN PATIENTS WITH PROSTATE CANCER TREATED WITH SURGERY AND HIGH-DOSE VOLUMETRIC INTENSITY-MODULATED ARC THERAPY TO THE PROSTATE BED**
Hanke L., Schröder C., Windisch P., Tang H.*, Shelan M., Zwahlen D.R., Förster R.
- CP15 **QUALITY ASSESSMENT OF AUTOMATICALLY PLANNED O-RING LINAC SBRT PLANS FOR PELVIC LYMPH NODE AND LUNG METASTASES, FINDING THE OPTIMAL MINIMUM TARGET SIZE.**
Hernandez K.V.D., Unterkirchers S.*, Schneider U.
- CP16 **CALCULATING THE INTERNATIONAL PROSTATE SYMPTOM SCORE (IPSS) USING THE EXPANDED PROSTATE CANCER INDEX COMPOSITE (EPIC) URINARY SUBSCALES: MODELING AND EXTERNAL VALIDATION**
Windisch P.*, Becker I., Schröder C., Buchali A., Zwahlen D.R., Förster R., Shelan M.
- CP17 **PRECISEART™: ARE WE PRECISE ENOUGH?**
Vite C.*, Corradini N., Urso P., Ballerini G., Negretti L., Franzetti-Pellanda A.

Program: Poster Presentations
Entrance Exhibition Area

- CP18 **COMMON DATA ELEMENTS FOR HYPERTHERMIA: A SINGLE INSTITUTION SUGGESTION**
Stutz E.*, Varatharajan A., Fürstner M., Reist M., Bachmann N., Frauchiger D., Manser P., Aebersold D.M., Cihoric N.
- CP19 **A BRIEF HISTORY OF PROSTATE SEED BRACHYTHERAPY**
Tausky D.*, Schaulin M., Zwahlen D.R.
- CP20 **PATIENT EXPERIENCE WITH NEW AND LONG-TERM USE OF TUMOR TREATING FIELDS (TTFIELDS) THERAPY FOR GLIOBLASTOMA**
Heidemann M.*, Batzianouli E.T., Johnson H., Abdullah H.I.
- CP21 **LEFT ANTERIOR DESCENDING CORONARY ARTERY SPARING FOR HYPO FRACTIONATED BREAST RT: THE IOSI EXPERIENCE**
Valli M.*, Coppotelli M., Corsi M., Canino P., Casiraghi M., Presilla S.
- CP22 **REPEAT STEREOTACTIC BODY RADIOTHERAPY (SBRT) IN NON-SMALL CELL LUNG CANCER (NSCLC) PATIENTS WITH OLIGOMETASTATIC DISEASE (OMD): COMPARATIVE ANALYSIS OF ONCOLOGICAL OUTCOMES**
Adilovic S.*, Willmann J., Badra E.V., Ahmadsei M., Christ S., Tanadini-Lang S., Mayinger M., Guckenberger M., Andrasschke N.
- CP23 **INTERMEDIATE OUTCOMES OF VERY LOW DOSE RADIOTHERAPY (VLDR) IN INDOLENT NON-HODGKIN LYMPHOMA (INHL) PATIENTS**
Abbeel S.*, Logaritsch P., Studer G.
- CP24 **USE OF MAGNETIC RESONANCE-GUIDED RADIATION THERAPY FOR DOSE ESCALATION TO 54 GY IN RECTAL ADENOCARCINOMA**
Muggeo E.*, El-Chammah S., Pisaturo O., Ghandour S., Breuneval T.
- CP25 **FROM OBSERVATION TO GENETIC ANALYSIS: THE RELATIONSHIP BETWEEN BENIGN PROSTATIC HYPERPLASIA AND PROSTATE CANCER – A HISTORICAL PERSPECTIVE**
Benzaquen D.*, Tausky D., Liberman D., Champion A.
- CP26 **MOBILE UTERUS IN CERVIX PATIENTS**
Ilieva-Vowles N.*, Winter C., Näf G., Spyridonidis A., Baumert B.G.
- CP27 **A HISTORICAL PERSPECTIVE IN RACIAL DISPARITIES RESEARCH IN PROSTATE CANCER**
Vermeille M.*, Benzaquen D., Champion A., Frueh M.
- CP28 **MANAGEMENT OF KIDNEY OLIGOMETASTASES USING 1.5 T MR-GUIDED AND DAILY ADAPTED SBRT : 2 CASES REPORTS.**
Laouiti M.*, Durigova A., Salati E., Mazouni Z., Muggeo E., Breuneval T.
- CP29 **ADAPTIVE RADIOTHERAPY OF THE GIANT CONDYLOMATA ACUMINATA**
Taing D.*, Braun L., Kern T., Puric E., Rogers S., Leick M., Khan S., Fellmann P., Riesterer O.
- CP30 **ADAPTIVE RADIATION THERAPY ON THE ETHOS LINEAR ACCELERATOR: FIRST-YEAR CLINICAL EXPERIENCE AT THE UNIVERSITY HOSPITAL BASEL**
Werder N.*, Avcu Y., Gygax P., Finazzi T.
- CP31 **REIRRADIATION OF 222 BRAIN METASTASES IN A SINGLE PATIENT WITH SIMULTANEOUS INTEGRATED BOOST**
Gut P.*, Besserer J., Ryu A.
- CP32 **RETROSPECTIVE ANALYSIS OF STEREOTACTIC RADIOTHERAPY VS. SURGICAL PROCEDURE OF ADRENAL METASTASES**
Lütscher J.*, Windisch P., Förster R., Zwahlen D.R., Schröder C.
- CP33 **INFLUENCE OF LUNG FUNCTION CHANGES ON QUALITY OF LIFE AFTER CURATIVE RADIO(CHEMO)THERAPY FOR THORACIC CARCINOMA**
Lütscher J.*, Förster R., Buchali A., Windisch P., Zwahlen D.R., Schröder C.
- CP34 **AN IN-HOUSE DEEP HT TREATMENT REPORT FORM FOR THE RADIATIVE DEEP HT DEVICE ALBA4D ALLOWING FOR TREATMENT PRESCRIPTION, REPORTING AND TREATMENT COMPARISONS AT A GLANCE**
Stutz E.*, Fürstner M., Reist M., Beer I., Graber M., Bachmann N., Varatharajan A., Cihoric N., Manser P., Aebersold D.M.
- CP35 **DOSIMETRIC IMPACT OF HYDROGEL SPACER IMPLANTATION IN RE-IRRADIATION FOR INTRA-PROSTATIC RECURRENCE: A CASE STUDY**
Shelan M.*, Krcek R., Mackeprang P.-H., Schmidhalter D.

Program: Poster Presentations
Entrance Exhibition Area
Physics

- PP01 **A COMPREHENSIVE ANALYSIS OF UNCERTAINTIES AND THEIR POTENTIAL CLINICAL CONSEQUENCES FOR HEAD AND NECK CANCER**
Fankhauser L.*, Winterhalter C., Bizzocchi N., Tully C., Weber D.C., Lomax A.J.
- PP02 **SAFETY AND SECURITY ASPECTS IN BRACHYTHERAPY**
Baumgartl M.*, Ackermann M., Buchegger R., Guckenberger M., Kefer K., Tanadini-Lang S.
- PP03 **ADAPTIVE FRACTIONATION FOR PROSTATE CANCER**
Perez Haas Y.*, Heusell A.E., Dal Bello R., Tanadini-Lang S., Guckenberger M., Mayinger M., Unkelbach J.
- PP04 **NOVEL DOSIMETERS BASED ON MINIATURIZED SCINTILLATORS AND OPTICAL FIBERS FOR FLASH RADIATION THERAPY**
Casolaro P.*, Dal Bello R., Dellepiane G., Gottstein A., Mateu I., Scampoli P., Tanadini-Lang S., Braccini S.
- PP05 **THE DOSIMETRIC ADVANTAGES OF ADAPTIVE PROTON THERAPY FOR HEAD AND NECK CANCER PATIENTS: A RETROSPECTIVE STUDY**
Choulilitsa E.*, Smolders A., Bachtary B., Liao W., Zhang Y., Weber D.C., Lomax A.J., Albertini F.
- PP06 **A GUIDE FOR NODAL TARGET VOLUME SELECTION IN HNSCC PATIENTS BASED ON A LYMPHATIC PROGRESSION MODEL TRAINED WITH MULTICENTRIC DATA**
Ludwig R.*, Hoffmann J.-M., Pouymayou B., Franceschetti L., Bauwens L., Grégoire V., Balermipas P., Unkelbach J.
- PP07 **IS TOMOTHERAPY BETTER THAN VMAT FOR PROSTATE CANCER? A COMPARISON USING PARETO FRONTS**
Wüthrich D.*, Wang Z., Zeverino M., Bourhis J., Bochud F., Moeckli R.
- PP08 **THYROID AVOIDANCE AND RISK REDUCTION FOR HYPOTHYROIDISM IN BREAST CANCER PATIENTS IRRADIATED TO THE SUPRACLAVICULAR NODES: A DOSIMETRY FEASIBILITY STUDY WITH A DOSE CONSTRAINT**
Clivio A., Zwahlen D.R., Koch S., Negreanu-Macian C., Barletta E., Härle H., Hofmann E., Oehler C.*
- PP09 **PRONE POSITION FOR RIGHT BREAST TOMOTHERAPY TREATMENT: DOSIMETRIC ADVANTAGE AND DELIVERY QUALITY ASSESSMENT**
Maud J.*, Fargier-Voiron M., Perichon N., Conrad M., De Marco C., Cosinschi A., Fargier-Bochaton O., Matzinger O., Caparrotti F.
- PP10 **INVESTIGATING MACHINE STABILITY AND DOSIMETRY IN ULTRA-HIGH DOSE RATE FLASH RADIOTHERAPY FOR PRECLINICAL EXPERIMENTS AND A HUMAN CLINICAL PROTOCOL**
Goncalves Jorge P.*, Geyer R.W., Kinj R., Schiappacasse L., Bourhis J., Bochud F., Bailat C., Moeckli R.
- PP11 **JOINT TRANSLATION AND REGISTRATION FRAMEWORK: A NOVEL APPROACH TO ADDRESS MISALIGNMENT IN MR-BASED CT SYNTHESIS**
Li X.*, Bachtary B., Weber D.C., Lomax A.J., Buhmann J., Zhang Y.
- PP12 **MR-ONLY WORKFLOW FOR PROSTATE CANCER RADIOTHERAPY: CAN T2-WEIGHTED MRI IMAGING IMPROVE DAILY CO-REGISTRATION WITH CBCT?**
Milan L.*, Leva S., Pupillo F., Casiraghi M., Krzekotowska K., Piliero M.A., Sargenti P., Bosetti D.G., Zilli T., Presilla S.
- PP13 **PLAN ROBUSTNESS TO PATIENT-SETUP UNCERTAINTIES OF DYNAMIC TRAJECTORY RADIOTHERAPY AND VOLUMETRIC MODULATED ARC THERAPY PLANS FOR HEAD AND NECK CANCER**
Loebner H.A.*, Bertholet J., Mackeprang P.-H., Volken W., Aebbersold D.M., Stampanoni M., Manser P., Fix M.K.
- PP14 **CLINICAL EVALUATION OF AUTOMATED CONTOURS OF THE ELECTIVE TARGET VOLUME AND ORGANS AT RISK FOR HEAD AND NECK CANCER PATIENTS TREATED ON THE MR-LINAC**
Koteva V.*, Eiben B., Dunlop A., Gupta A., Wong K., Oelfke U.
- PP15 **6MV OR 10 MV? A RETROSPECTIVE PLANNING STUDY FOR IRRADIATION OF PROSTATE CANCER**
Polivka B.*, Spyridonidis A., Baumert B.G., Mader T., Kraxner P., Gomes L.F.M., Taccogna A.
- PP16 **DEVELOPMENT OF PATIENT-SPECIFIC QUALITY ASSURANCE STRATEGIES FOR SYNTHETIC COMPUTED TOMOGRAPHY**
Nella F., Lapaeva M., La Greca A., Andratschke N., Guckenberger M., Tanadini-Lang S., Dal Bello R.*
- PP17 **DOSIMETRIC COMPARISON BETWEEN CYBERKNIFE AND RADIXACT FOR PROSTATE STEREOTACTIC BODY RADIOTHERAPY WITH AND WITHOUT URETHRA SPARING**
Fargier-Voiron M.*, Nagy A., Perichon N., Conrad M., De Marco C., Cosinschi A., Matzinger O., Caparrotti F., Maud J.

Program: Poster Presentations
Entrance Exhibition Area

- PP18 **DEVELOPMENT OF A TOOL FOR IN-VIVO DOSE DELIVERY VERIFICATION IN ADAPTIVE RADIATION THERAPY**
Nasrallah M.*, Bochud F., Tellapragada N., Bourhis J., Chao E., Casey D., Moeckli R.
- PP19 **PROSTATE CANCER HYPOFRACTIONATED DOSE ESCALATION TO THE INTRAPROSTATIC TUMOR: PLANNING GOALS OPTIMIZATION USING A KNOWLEDGE-BASED PLANNING MODEL ON SYNTHETIC CT**
Pupillo F.*, Casiraghi M., Bosetti D.G., Corsi M., Coppotelli M., Piliero M.A., Milan L., Krzekotowska K., Castronovo F.M., Presilla S., Zilli T.
- PP20 **ADAPTIVE RADIOTHERAPY FOR PROSTATE SBRT PATIENTS**
Knöpfli F.*, Lomax A.J., Negreanu-Macian C., Barletta E., Clivio A., Zwahlen D.R., Schröder C., Förster R.
- PP21 **FREE BREATHING (FB) VS DEEP INSPIRATION BREATH HOLD (DIBH) IN LEFT BREAST IRRADIATION: THE IMPACT OF THE USE OF A SGRT SYSTEM.**
Monteiro I.*, Cardoso I., Jacob K., Fernandez G., Rodrigues R.
- PP22 **A COMPARATIVE STUDY OF THREE COMMERCIALLY AVAILABLE AUTOCONTOURING TOOLS FOR RADIATION THERAPY**
Piliero M.A.*, Dufour M., Coppotelli M., Corsi M., Casiraghi M., Krzekotowska K., Milan L., Pupillo F., Angrisani A., Bosetti D.G., Canino P., Castronovo F.M., Deantonio L., Martucci F., Pesce G., Valli M., Zilli T., Presilla S.
- PP23 **NEW TPS IN A RADIOTHERAPY DEPARTMENT: A METHODOLOGY TO MAINTAIN TREATMENT PLANNING QUALITY-EXAMPLE FOR LOCOREGIONAL LEFT BREASTS TREATMENTS**
De Marco C.*, Fargier-Voiron M., Perichon N., Matzinger O., Maud J.
- PP24 **NEW APPROACH TO CALIBRATE RADIOCHROMIC FILM AND DEMONSTRATION OF THE ABILITY TO REDUCE KNOWN ARTEFACTS**
Lauchenauer M.*, Plasswilm L., Buchauer K.
- PP25 **QUALITY ASSURANCE OF SYNTHETIC CT IN ETHOS ADAPTIVE RT**
Kohler G.*

Program: Poster Presentations
Entrance Exhibition Area

Technician

TP01	DEVELOPMENT OF AN IN-HOUSE SOLUTION FOR CORRECT AND EFFICIENT DOCUMENTATION OF PATIENT POSITIONING AT PLANNING CT Cavelaars F.*, Lazeroms T., Goepel L., Wyss R., Kessler E., Riesterer O.
TP02	DEEP-INSPIRATION BREATH-HOLD FOR RIGHT BREAST: IMPACT ON THE ORGANS AT RISK AND ON THE TREATMENT TIME Fuligno D.*, Lamanna G., Miéville F., Tercier P.-A., Allal A., Risse G.
TP03	EVOLUTION OF CONTOURING DURATION OF ORGANS AT RISK Aubry C.*