

# S A S R O Annual Meeting 2000, St.Gallen, April 6 - 8, 2000

## Program

### Thursday , April 6<sup>th</sup> 2000

11:30 - 13:00 Registration

13:00 - 13:15 Opening

#### **13:15 - 14:25 Clinics (part I)**

Chairpersons: R. Miralbell (Genève), P. Thum (Luzern)

13:15 - 13:25 S. Balmer Majno, A. Roth, C. de Pree, O. Huber, A. Spiliopoulos, D. Schneider, M. Bründler, M. Apro: Curative split-course hyperfractionated radiation therapy combined with Taxotere-Cisplatin-5-Fluoro-Uracil(TCF) in locally advanced cancers of the esophagus. A phase I-II study. (Genève)

13:25 - 13:35 M. Notter, N. Schwegler: Inoperable esophageal carcinoma: Functional results and macro- and microscopical elimination after radiotherapy +/- chemotherapy. (Aarau)

13:35 -13:45 D.C. Weber, A.S. Allal, M. Rouzaud, P. Nouet, J.M. Kurtz: Anal carcinoma TLD: a positive correlation with late sphincter anal function. (Genève)

13:45 - 13:55 N. Andratschke, G. Ries, J. Collon: PSA and its kinetics: Impact upon the outcome of prostate cancer after radiotherapy (EBRT). (St.Gallen)

13:55 - 14:05 A. Zouhair, M. Ozsahin, J. Bauer, P. Jichlinski, J.J. Winkelmann, D. Schneider, A. Roth, R. Miralbell: Invasive bladder carcinoma: A phase I-II study of accelerated radiotherapy and concomitant cisplatin chemotherapy. (Genève, Lausanne)

- 14:05 - 14:15 Th. Lippuner, M. Gospodarowicz, M. Pintilie, J. Sturgeon, R. Tsang, B. Zanke: Primary testicular lymphomas: long-term outcome and pattern of failure (Zürich, Toronto/Canada)
- 14:15 - 14:25 G.J. Gruber, R.H. Greiner: Extranodal invasion (EI) and adjuvant radiotherapy (RT) in lymph node (LN) positive breast cancer (BC). (Bern)
- 14:25 - 15:15 Clinics (part II)**
- Chairpersons : Ch. von Briel (Bern), G. Goitein (Villigen)
- 14:25 - 14:35 S. Bieri, C. Helg, B. Chapuis, R. Miralbell: Total-body irradiation before allogeneic bone marrow transplantation: is more dose better ? (Bellinzona, Genève)
- 14:35 - 14:45 Ch. von Briel, Th. Zehnder, F. Mahler, R.H. Greiner: Intraarterial HDR-Brachytherapy (IABT) for prophylaxis of restenosis after femoropopliteal percutaneous transluminal angioplasty (PTA): A prospective randomized phase II trial. (Bern)
- 14:45 - 14:55 P.A. Coucke, D. Latchem, A. Pica, P. Urban, J-J. Goy, G. Pasche, H.P. Do, S. Raimondi: Beta-Irradiation for in-stent restenosis. (Lausanne)
- 14:55 - 15:05 L. Wisser and Team Radiation Medicine: Patients, treated in 1999 at the PSI Gantry and long-term follow-up of the patients treated in 1997 and 1998. (Villigen)
- 15:05 - 15:15 E. Egger, L. Zografos, G. Goitein: Proton beam radiotherapy of choroidal hemangiomas (Villigen, Lausanne)
- 15:15 - 15:45 Coffee Break

**15:45 - 16:55      Physics (part I)**

Chairpersons : L. André (Bern), B. Leemann (Luzern)

- 15:45 - 15:55      E. Pedroni and Team Radiation Medicine: Studies for a new improved commercial version of the PSI compact proton gantry. (Villigen)
- 15:55 - 16:05      R. Miralbell, L. Cella, D. Weber, A. Lomax : Intensity modulated (IM) X-ray beams versus IM proton beams in orbital and paraorbital tumors. (Genève, Villigen)
- 16:05 - 16:15      A. Fogliata-Cozzi, L. Cozzi: Head and Neck treatment with intensity modulated beams (Bellinzona)
- 16:15 - 16:25      L. Cozzi, A. Fogliata-Cozzi, P.A. Tercier: Survey on conformal therapy in Switzerland. (Bellinzona, Lausanne)
- 16:25 - 16:35      P. A. Tercier, J.F. Valley, R.O. Mirimanoff: Comparison of radiosurgery treatments delivered by arctherapy or micro-multileaf collimator. (Lausanne)
- 16:35 - 16:45      L. Bidaut, A. Pica, A. Bischof-Delaloye, R.-O. Mirimanoff: Multimodality imaging approaches in radiation therapy treatment planning. (Genève, Lausanne)
- 16:45 - 16:55      Y. Popowski, E. Hiltbrand, D. Joliat, M. Rouzaud: Open MRI using Ti-Zr needles : Improved accuracy for interstitial brachytherapy implants. (Genève)
- 17:00 - 17:30      Report of the SASRO working groups  
Moderation: U.M. Lütolf (Zürich)
- 17:30 - 18:00      Welcome Apéro
- 18:00 - 19:30      4. SASRO Annual General Meeting  
Moderation: R.O. Mirimanoff
- 19:30 - 23:00      1. SRO Annual General Meeting  
Moderation: Ch. von Briel

## Friday, April 7<sup>th</sup> 2000

### 08:30 - 10:30      **Physics ( part II )**

Chairpersons : E. Born (Bern), J.F. Valley (Lausanne)

- 08:30 -09:00      New technologies for a new millennium  
Invited speaker: **Colin Orton**, Detroit (USA)
- 09:00 - 09:30      Monte Carlo methods in radiotherapy treatment planning.  
Invited speaker: **Hans Neuenschwander** (Bern)
- 09:30 - 09:40      M.K. Fix, P. Ruegsegger: A multiple source model for Monte Carlo photon treatment planning. (ETH Zürich)
- 09:40 - 09:50      C. Cris, E. Born, D. Frey, H. Neuenschwander, R. Mini, W. Volken: Macro Monte Carlo (MMC): A fast Monte Carlo dose calculation code for electron beam treatment planning. (Bern)
- 09:50 - 10:00      A. Lomax and Team Strahlenmedizin: 3D IMPT: A first clinical example. (Villigen)
- 10:00 - 10:10      P. Manser, M.K. Fix, P. Ruegsegger: Verification of intensity modulated beams in radiotherapy using the Portal Vision system. (ETH Zürich)
- 10:10 - 10:20      U. Schneider, J. Besserer, C. Erckes, P. Pemler, J. Reponen: Indirect verification of the Cadplan inhomogeneity correction using in vivo dosimetry. (Zürich)
- 10:20 - 10:30      B. Schnekenburger: Virtual Simulation and 3D-Planning on a CMS-FOCUS Treatment Planning System. (Basel)
- 10:30 - 11:00      Coffee Break

**11:00 - 12:30      Biology (part I)**

Chairpersons: N.E.A.Crompton (Villigen) , P.A. Coucke (Lausanne),

- 11:00 - 11:30      Tailoring combined therapy to tumor characteristics  
Invited speaker: **Rodney Withers**, Los Angeles (USA)
- 11:30 - 11:40      S. Bodis, M. Pruschy, A.-I. Michou, Ch. Glanzmann, W. Krek, D. Fischer: Promises and Pitfalls of Gene-Radiotherapy: Concepts for a Rational Approach. (Zürich, Basel, Boston/USA)
- 11:40 - 11:50      A. Tenzer, S. Rocha, Ch. Glanzmann, D. Fabbro, P.A. Schubiger, S. Bodis, M. Pruschy: The PI3-K-Survival Pathway and Radiosensitization : Modulation by PKC -Inhibitors. (Zürich, Villigen, Basel)
- 11:50 - 12:00      N.E.A. Crompton Y.-Q. Shi, G. Emery, H. Blattmann: Wortmannin enhances radiation-induced apoptosis in a cell-type dependent manner. (Villigen)
- 12:00 - 12:10      N. Cordes, L. Plasswilm, M. Bamberg, H.P. Rodemann: Cytotoxicity of a novel Chelidonium majus L.-alkaloid thiophosphoric acid derivate (Ukrain<sup>®</sup>) in combination with irradiation on human tumor cell lines and normal human fibroblasts in vitro. (Tübingen/Germany)
- 12:10 - 12:20      P. A. Coucke, E. Cottin, I.F. Ciernik, L. Decosterd: Alteration of de novo and salvage pathways to Desoxyribonucleosides. (Lausanne)
- 12:20 - 12:30      P. A. Coucke, E. Cottin, I.F. Ciernik, S. Stern: FMdC + Tirapazamine( SR 4233 ) and irradiation. (Lausanne)
- 12:30 -13:45      **Lunchsymposium:** Cytoprotection with Amifostine  
Invited speaker: **Rolf Sauer** (Erlangen/Germany)  
Introduction : Ch. Landmann (Basel)

- 14:00 - 16:00 Clinics (part III)**
- Cervix Cancer as model for combined modality treatment  
Moderation: G. Ries (St. Gallen)
- Invited speakers :  
**Uwe Lorenz** (St.Gallen): surgery  
**Josef Hammer** (Linz/Austria): HDR - brachytherapy  
**Patricia Eifel** (Houston/USA): combined radio-chemotherapy
- G. Ries (St.Gallen) : International survey HDR -brachytherapy
- 15:30 - 16:00 Round table
- 16:00 - 16:30 Coffee Break
- 16:30 - 17:00 Politics: Structure of RT-departments in the new century - the role of physicists, biologists and physicians.  
Moderation : J. Bernier (Bellinzona)
- 17:00 - 17:30 Poster presentation: M. Notter (Aarau), M. Töpfer (St. Gallen)
- 18:30 - 23:00 **Social Events**

## Saturday, April 8<sup>th</sup> 2000

### 09:00 - 10:20 Clinics (part IV)

Chairpersons : P. Huguenin (Zürich), A. Allal (Genève)

- 09:00 - 09:10 K. B. Krause, K. T. Beer, R. H. Greiner: Benefit of early PEG for patients with upper aero-digestive tumours. (Bern)
- 09:10 - 09:20 S. Martinet, A. Zouhair, A. Franzetti-Pellanda, Ph. Coucke, Ph. Pasche, R. Stupp, M. Ozsahin: A prospective study of modified DAHANCA type accelerated radiation therapy (RT) alone with concomitant boost in patients with squamous-cell carcinoma of the head and neck (SCCHN). (Lausanne)
- 09:20 - 09:30 M. Ozsahin, S. Martinet, A. Zouhair, J. Kutter, P. Pasche, R. Stupp: A prospective study of modified DAHANCA type accelerated radiation therapy (RT) concomitant to full-dose cisplatin and 5-FU chemotherapy with concomitant boost in patients with locally advanced squamous-cell carcinoma of the head and neck (SCCHN). (Lausanne)
- 09:30 - 09:40 M. Ozsahin, A. Zouhair, A. Franzetti-Pellanda, S. Martinet, Ph. Pasche, R. Stupp, R.O. Mirimanoff: A prospective study of modified DAHANCA type accelerated postoperative radiation therapy (RT) with concomitant boost in patients with squamous-cell carcinoma of the head and neck (SCCHN). (Lausanne)
- 09:40 - 09:50 L. Bron, A. Zouhair, D. Soldati, E. Brossard, Ph. Monnier, Ph. Pasche, M. Ozsahin: T1-T2 squamous-cell carcinoma of the glottic larynx: Surgery versus radiation therapy. (Lausanne)
- 09:50 - 10:00 K. Lindel, K.T. Beer, J. Laissue, R.H. Greiner, D.M. Aebersold: The prevalence and impact of human papilloma virus in radically irradiated squamous cell cancer of the oropharynx. (Bern)
- 10:00 - 10:10 F. Behrensmeier, G. Behrensmeier, K.T. Beer, R.H. Greiner: Late toxicity in the function of cranial nerves in postoperative irradiation of parotid gland carcinoma. (Bern)
- 10:10 - 10:20 K.T. Beer, D. Probst, J. Steiger, R.H. Greiner: Caries development and parodontal disease after mantlefield irradiation of patients with Hodgkin's disease. (Bern)

**10:20 - 11:00      Biology (part II)**

Chairpersons: S. Bodis (Zürich), D.M.Aebersold (Bern)

10:20 - 10:30      I.F. Ciernik, P. Romero, J.A. Berzofsky, D.P. Carbone: Ionizing radiation enhances immunogenicity of cells expressing a tumor-specific T-cell epitope. (Lausanne, Epalinges, Bethesda/USA, Nashville/USA)

10:30 - 10:40      L. Li, Y. Shi, S. Stern, N.E.A. Crompton, M. Ozsahin: Prospective study of individual radiosensitivity prediction based on apoptosis in human CD4 and CD8 T-lymphocytes: Preliminary results on early toxicity. (Lausanne, Villigen)

10:40 - 10:50      D.M. Aebersold, K.T. Beer, A. Kollar, A. Christe, S. Hug, J. Laissue, R.H. Greiner, V. Djonov: Expression of hepatocyte growth factor and c-met correlates with local treatment failure of radically irradiated squamous cell cancer of the oropharynx. (Bern)

10:50 - 11:00      Y.-Q. Shi, G. Emery, H. Blattmann, N.E.A. Crompton: Different types of apoptosis are induced by the p53 and ceramide signal-transduction pathways in two human lymphoblastoid cell lines. (Villigen)

11:00 - 11:30      Coffee Break

**11:30 - 12:30      Keynote lecture**

Invited speaker: Juliana Denekamp ( Umeå, Sweden)

Introduction: R.O. Mirimanoff (Lausanne)

12:30 - 13:00      Awards and closing remarks  
Ries (St. Gallen), R.O. Mirimanoff (Lausanne)



## Posters :

1. N. Andratschke , G. Ries, J. Collon: Curative External Beam Radiation of Prostate Cancer. (St.Gallen)
2. P.A. Coucke, H. Bouzourene : Pathology and Outcome after HART. (Lausanne)
3. Moh'd Suleiman, G. Pesce, J. Bernier, S. Bieri: Whole Brain Radiotherapy (WBRT) to brain metastases (BM) from solid tumors. A critical appraisal. (Bellinzona)
4. P. Juelke and Team Radiation Medicine: Protontherapy in children: our first experiences. (Villigen)
5. A. Franzetti-Pellanda, C. Fontolliet, P. Pasche, R.O. Mirimanoff, M. Ozsahin: Solitary polyclonal plasmacytosis of the larynx. (Lausanne)
6. W. Jeanneret, M. Nenadov-Beck, R.O. Mirimanoff, M. Ozsahin: A case of Kasabach-Merrit syndrome successfully treated with radiation therapy. (Lausanne)
7. P. Köhler: Case Report: Invasive Paraganglioma of the small pelvis. (Konstanz/Germany)
8. W. Jeanneret, A. Franzetti-Pellanda, A. Zouhair, A. Mouhsine, M. Ozsahin: Prevention of heterotopic ossification about the hip: The Lausanne experience. (Lausanne)
9. A.A. Yavuz, Z. Bahat, O. Kavakçi, M.N. Yavuz, Y. Tezcan, H. Uzuner: Radiation Treatment in Geriatric Patients: Effects on Nutrition, Performance, Comorbidity, Psychsocial Functions and Quality of Life. (Trabzon/Turkey)
10. I.F. Ciernik, P.A. Coucke: Effect of Cisplatin on the Radiosensitization by (E)-2'-Deoxy-(fluoromethylene)cytidine in Cervical Carcinoma Cell Lines. (Lausanne)
11. A.A. Yavuz, E. Cimsitoglu, M.N. Yavuz, F. Colak, E. Ilis, Z. Bahat: Impact of Cradle Immobilization on Set-up Error During External Radiotherapy for Non-Small Cell Lung Cancer (NSCLC). (Trabzon/Turkey)
12. R. Klepper : Skin-protection in skin folds and air-filled gaps by artificial build up. (Konstanz/Germany)