

ISIORT '98

September 6-9, 1998
Pamplona, Spain

1st CONGRESS OF THE INTERNATIONAL SOCIETY OF INTRAOPERATIVE RADIATION THERAPY

FINAL PROGRAM

Auditorium
School of Medicine
University of Navarra

SUNDAY 6/9/98

<u>TIME</u>	<u>ACTIVITY / CONTENTS / PARTICIPANTS</u>
14.30	SATELLITE SYMPOSIA Consensus for International IORT trials promoted by ISIORT <i>Coordinators:</i> Leonard L. Gunderson (Rochester) Christopher Willett (Boston) Felipe A. Calvo (Madrid) (free participation; open to members and non-members; proposals are welcome)
17.30	REFRESHMENTS
18.30	GENERAL ASSEMBLY ISIORT
19.15	
19.45	OPENING CEREMONY
20.30	WELCOME COCKTAIL

MONDAY 7/9/98

<u>TIME</u>	<u>ACTIVITY / CONTENTS / SPEAKERS</u>
08.00	Refresher course: How we do it. IEORT with patient transportation <i>Moderator:</i> J.B. Dubois (Montpellier) <i>Speakers:</i> J.P. Gerard, I. Sentenac (Lyon) I. Azinovic, L. Escudé (Pamplona)
09.30	BREAK
09.45	LECTURE I (Presidential Address) Past, present and future of IORT <i>Moderator:</i> L. W. Brady (Philadelphia) <i>Speakers:</i> M. Abe (Kyoto) Honorary President F.A. Calvo (Madrid) President L.L. Gunderson (Rochester) President-elect
10.30	COFFEE BREAK

11.00 **SYMPOSIA THE INTEGRATION OF IORT IN THE TREATMENT OF UPPER GASTROINTESTINAL AND PANCREATIC CANCER**

Moderator:

R.R. Dobelbower (Toledo)

Speakers:

P.W.T. Pisters (Houston) Pancreatic cancer

T. Todoroki (Tsukuba) Bile duct cancer

F.N. Gilly (Lyon) Gastric cancer

Rapporteur:

M. Mohiuddin (Lexington)

13.00 **LUNCH**

14.30 **SELECTED TOPICS**

Moderators:

H. Frommhold (Freiburg)

M. Santos (Madrid)

Speakers:

S. Nag (Columbus) Head & neck cancer

Th. Schmitt (Saint Etienne) Head & neck cancer

R. Martínez (Pamplona) Lung cancer

S. Fisher (Philadelphia) Lung cancer

15.15 **FREE PAPERS**

Moderators:

H.J. Krämling (Düsseldorf)

Y. Nishimura (Osaka)

INTRAOPERATIVE RADIOTHERAPY FOR METASTATIC SPINAL TUMORS (0-25)

K. Karasawa¹, T. Kaizu¹, H. Kurosaki¹, T. Kondo², Y. Tanaka³

Dept. of Radiology¹, Orthopedic Surgery², Tokyo Metropolitan Komagome Hospital,
³Dept. of Radiology, Nihon University, Tokyo, Japan

INTRAOPERATIVE RADIOTHERAPY OF LUNG CANCER (0-12)

B. N. Zyryanov, A. A. Zavjalov, N. A. Makarkin
Cancer Research Institute, Tomsk, Russia

THE USE OF IORT AS A COMPONENT OF TRIMODALITY THERAPY FOR THE TREATMENT OF MESOTHELIOMA (0-11)

Hui-Kuo G. Shu, MD PhD¹, David M. Jablons, MD², Theodore L. Phillips, MD¹, Eric Vigneault, MD¹, Robert B. Cameron, MD², Thierry M. Jahan, MD³ and Mack Roach, III, MD¹

Departments of ¹Radiation Oncology, ²Surgery and ³Medicine, UCFS, San Francisco, California, USA

PALLIATIVE IORT IN THE TREATMENT OF ADVANCED AND RECURRENT HEAD AND NECK CANCERS (0-10)

Spaeth, J.⁴, Andreopoulos, D.², Schlöndorff, G.³, Ammon, J.²

¹Paulusklinik, Düren, ²Dep. of Radiation Therapy and ³ENT- Department, University Hospital, Aachen, Germany

ELECTRON BEAM INTRAOPERATIVE RADIOTHERAPY FOLLOWING NECK DISSECTION (0-8)

Samantha A. Seaward*, Cardella W. Coleman, Penny Sneed, Mack Roach III, Albert Chan, Michael J. Kaplan, Mark I. Singer, and Karen K. Fu

Departments of Radiation Oncology and Otolaryngology, University of California, San Francisco, USA

INTENSIFICATION REGIMEN (IR) #2 FOR ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMAS (0-9)

J. Greco*, D. Schuller, C. Rhoades, C. Bauer, C. Bier-Laning, P. Sharma, R. Martínez-Monge, J. L.-S. Au, A. Johnson, D. Young, S. Nag
James Cancer Hospital & Research Institute, Ohio State University, Columbus, USA

INTEGRATED TREATMENT (INCLUDING IORT) VERSUS SURGERY ALONE IN RESECTABLE PANCREATIC HEAD CARCINOMA. A RETROSPECTIVE ANALYSIS (0-15)

M. Bossola*, G. B. Doglietto, A. G. Morganti, S. Alfieri, F. Pacelli, V. Valentini, L. Tordella, R. Bellantone, N. Cellini, F. Crucitti

Instituto Clinica Chirurgico and Instituto Radiologia, Università Cattolica Sacro Cuore, Roma, Italy

IORT FOR RESECTED CARCINOMAS OF THE PANCREAS (0-14)

M. Kokubo, Y. Nishimura, Y. Shibamoto, K. Sasai, M. Hiraoka, R. Hosotani*, M. Kogire*, M. Imamura*, and M. Abe

Department of Radiology and First Department of Surgery*, Kyoto, Japan

ADJUVANT INTRAOPERATIVE AND EXTERNAL BEAM RADIATION THERAPY FOR PANCREATIC CANCER (0-13)

R. R. Dobelbower^{3*}, H. W. Merrick^b, S. Khuder^c, J. A. Battle², L. M. Herron^c, and T. Pawlicki²
Departments of Radiation Therapy², Surgery^b, and Medicine^c, Medical College of Ohio, Toledo, U.S.A.

IORT AND POSTOPERATIVE EXTERNAL BEAM RADIATION THERAPY (PEBR) IN GASTRIC ADENOCARCINOMA WITH RO-R1 SURGICAL RESECTION (0-17)

Gilly F. N.*, Gérard J. P., Brailion G., Beaujard-Sayag A. C., Romestaing P., Sentenac I., François Y., Glehen O., Vignal J.
C.H.U. Lyon-sud (CHLS), Lyon, France

INTERMEDIATE RESULTS OF IORT IN THE TREATMENT OF GASTRIC CANCER (0-16)

Krämling H. J.¹, Wikich N.³, Cramer C.¹, Wilkowski R.², Dühmke E.¹, Schildberg F.W.¹
Department of Surgery¹, Department of Radiation Oncology³, Ludwig-Maximilians University, Klinikum Grosshadern, Munich, Department of Radiotherapy³, Weatfaalisch, Wilhelms University, Muenster, Germany

ELECTRON-BEAM IORT FOR HIGH GRADE GLIOMA OF THE BRAIN - RESULTS OF A PHASE I/II STUDY (0-7)

Schüller P.*, Rübe Ch., Palkovic S.¹, Prott F. J., Wagner W.², Hartisch M., Willich N.
Departments of Radiation Oncology and ¹Neurosurgery, Univ. of Muenster, Germany; ²Paracelsus Clinic, Osnabrueck, Germany

LONG TERM FOLLOW-UP (F-U) AFTER INTRAOPERATIVE RADIOTHERAPY, ANALYSIS OF LATE SEQUELAE, TUMOR RECURRENCE AND FUNCTIONAL OUTCOME (0-5) (Young Physician Award)

F. Puebla, I. Azinovic, J. J. Aristu, R. Martínez Monge, F. A. Calvo

17.30 Clínica Universitaria, Pamplona, Spain

TUESDAY 8/9/98

TIME ACTIVITY / CONTENTS / SPEAKERS

08.00 Refresher course: How we do it. IORT with HDR brachytherapy

Moderator:

N. Willich (Münster)

Speakers:

S. Nag (Columbus)

L.B. Harrison (New York)

09.30

BREAK

09.45

LECTURE II

Biology and normal tissue tolerance of IOERT

Moderator:

A. Brugarolas (Pamplona)

Speakers:

E. Gillette (Fort Collins)

W.F. Sindelar (Baltimore)

10.30

COFFEE BREAK

11.00

SYMPOSIA THE INTEGRATION OF IORT IN THE TREATMENT OF BONE AND SOFT TISSUE SARCOMAS: EXTREMITY AND RETROPERITONEAL

Moderator:

I. Azinovic (Pamplona)

Speakers:

L. Sierrasesumaga (Pamplona) Bone sarcomas

M.J. Eble (Heidelberg) Extremity sarcomas

J.H. Donohue (Rochester) Retroperitoneal sarcomas

Rapporteur:

I. Petersen (Rochester)

13.00

LUNCH

14.30 *SELECTED TOPICS*

Moderators:

J.M. Berian (Pamplona)
M. Mahé (Nantes)

Speakers:

J.P. Gerard (Lyon) Bladder cancer
J. Aristu (Pamplona) Bladder cancer
M. Jurado (Pamplona) Cervix cancer
M. Haddock (Rochester) Gynecologic cancer

15.15 *FREE PAPERS*

Moderators:

Y. Shibamoto (Kyoto)
F. Pardo (Pamplona)

CORRECTION METHODS FOR DECREASE IN
PENETRATION AND CONSTRICTION OF
ISODOSE CURVES WHEN BLOCKING IS USED
DURING ELECTRON BEAM IORT (0-3)

R. A. Price, Ph.D.*, K. M. Ayyangar, Ph.D., R.
R. Dobelbower Jr., M. D., Ph.D.
Dept. of Radiation Therapy, Medical College
of Ohio, Toledo, USA

CT-BASED RECONSTRUCTION OF IORT
DOSE DISTRIBUTIONS (0-4)

M. Metzger, F. W. Hensley*, M. J. Eble, M. van
Kampen, W. Schneider¹, M. Wannenmacher
Dept. of Radiotherapy, University of
Heidelberg, Germany
¹Deutsches Krebsforschungszentrum, Heidel-
berg, Germany

FRACTIONATED HIGH DOSE RATE (HDR)
BRACHYTHERAPY USING FLAB TECHNIQUE
(0-2)

Könemann S.*, Kronholz H.-L., Rube Ch.,
Annweiler H., Schuck A., Schlatter, K., Hillmann
A.^o, Winkelmann W.^o, Willich N.
Department of Radiation Oncology,
^oDepartment of Orthopedics, Univ. of Münster,
Münster, Germany

LONG TERM TISSUE EFFECTS IN THE NOR-
MAL AND SURGICALLY MANIPULATED

CANINE LIVER FOLLOWING SINGLE HIGH
DOSE INTRAOPERATIVE RADIOTHERAPY
(IORT) (0-6)

M. Cromheecke*, J. Vermeij, A. J. K. Grond, A.
W. T. Konings, H. J. Hoekstra
Dept. Surgical Oncology, University Hospital
Groningen, The Netherlands

PREOPERATIVE RADIOTHERAPY AND IOERT
WITH RADICAL SURGERY FOR UTERINE
CERVIX CARCINOMA STAGE IIB-III (0-18)

J. P. Gerard, D. Dargent, D. Raudrant, J. Y.
Bobin, P. Romestaing, S. Reibel
Hospices Civils de Lyon - Department of
Radiotherapy - France

INTRAOPERATIVE ELECTRON (IOERT)
BOOST DURING SURGERY IN SOFT TISSUE
SARCOMAS OF THE EXTREMITIES (STS-EX)
(0-22)

Azinovic I., Villafranca E., Puebla F., Aristu J.
J., Moreno M., Cañon R., Beltran C., Martínez
Monge R., Amillo S., San Julián M., Aramendia
J. M., Calvo F. A.
Clínica Universitaria, Pamplona, Spain

ANALYSIS OF PATTERNS OF RECURRENCES
IN SOFT TISSUE SARCOMAS OF CENTRAL
LOCATIONS (STS-c) BOOSTED WITH
INTRAOPERATIVE (IOERT) (0-24)

E. Villafranca, F. Puebla, S. Amillo, A. Bazán,
M. Moreno, J. M. Berian, J. J. Aristu, E. Calvo,
R. Martínez Monge, F. A. Calvo, I. Azinovic
Clínica Universitaria, Pamplona, Spain

IOERT IN THE TREATMENT OF RETRO-
PERITONEAL SARCOMAS: MAYO CLINIC
EXPERIENCE (0-23)

J. H. Donohue, L. A. Petersen, M. G. Haddock,
D. M. Nagonney, J. P. Grill, L. L. Gunderson
Mayo Clinic, Rochester, MN

PREOPERATIVE CHEMORADIATION AND
IORT IN LOCALLY RECURRENT RECTAL CAN-
CER (0-19)

Valentini V.*, Morganti A. G., Ziccarelli L., Turriziani A., Luzi S., Doglietto G. B.¹, Ratto C.I., Sofo L.¹, Bossola M.¹, Crucitti G.¹ and Cellini N. Inst. Radiologia, Inst. Clinica Chirurgica¹, Catholic University Sacred Heart, Rome, Italy

RADIOIMMUNOGUIDED INTRAOPERATIVE RADIATION THERAPY (RIG-IORT) IN COLORECTAL CARCINOMA: A NEW TECHNIQUE TO PRECISELY DEFINE THE CLINICAL TARGET VOLUME (0-20)

S. Nag, R. Martínez-Monge, C. Nieroda, E. Martin, Jr., M.D.

Divisions of radiation Oncology and Surgical Oncology, James Cancer Hospital and Research Institute, Ohio State University, Columbus, OH, U.S.A.

INTRAOPERATIVE RADIOTHERAPY (IORT) FOR PRIMARY INOPERABLE AND LOCALLY RECURRENT RECTAL CANCER. ID THERE A NEED FOR A RANDOMIZED STUDY? (0-21)

I. N. Wiig*, K. M. Tveit, J. P. Poulsen, A. Storaas, D. R. Olsen

The Norwegian Radium Hospital, Oslo, Norway

IORT AND ANAESTHESIA. A SERIES OF 285 PATIENTS TREATED IN CHLS NOVEMBER 1985-JANUARY 1998 (0-26)

A. C. Beaujard-Sayag, F. Garbit, B. Guithbert, Y. François, J. Vignal, J. P. Gerard, F. N. Gilly
CHLS Pierre Benite, Lyon, France

FEASIBILITY STUDY OF MOBILE ELECTRON THERAPY UNIT (MOBETRON): A PILOT STUDY (0-1) (Non-medical Award)

Eric Vigneault¹, Albert Chan¹, Richard Krieg¹, Mack Roach III¹, Karen K. Fu¹, Norman Albright¹, Robert Warren², Mark Singer³, Michael Kaplan³, Bethan Powell⁴, Joe Hsu¹, David Jablons², and Theodore L. Phillips¹

¹Departments of Radiation Oncology and Surgery, University of California, San Francisco, San Francisco CA.

WEDNESDAY 9/9/98

TIME ACTIVITY / CONTENTS / SPEAKERS

08.00 Refresher course: How we do it. IOERT with dedicated linear accelerators

Moderator:

H. Hoeckstra (Gröningen)

Speakers:

L.L. Gunderson, R. Dahl (Rochester)

C. Willett, P. J. Biggs (Boston)

09.30 **BREAK**

09.45 **LECTURE III**

IOHDR brachytherapy: fundaments and clinical experiences

Moderator:

L. Delclos (Houston)

Speakers:

S. Nag (Columbus)

L. Harrison (New York)

10.30 **COFFEE BREAK**

11.00 **SYMPOSIA THE INTEGRATION OF IORT IN THE TREATMENT OF RECTAL CANCER: PRIMARY AND RECURRENT DISEASE**

Moderator:

V. Valentini (Rome)

Speakers:

P.C. Shellito (Boston) Surgery

C. Willett (Boston) Radiotherapy

E. W. Martin (Columbus) Recurrent disease

Rapporteur:

13.00 J.A. Cienfuegos (Pamplona)

17.30