



# ABSTRACTS OF RANDOMISED TRIALS

*Presented at ESTRO 29*

**ESTRO**<sup>29</sup>  
WWW.ESTRO.ORG

SEPTEMBER 12-16 < 2010  
BARCELONA < SPAIN

ESTRO 



**Jean Bourhis**  
ESTRO President  
Co-chairperson of ESTRO 29



**Dietmar Georg**  
Co-chairperson of ESTRO 29

Dear Members of ESTRO,  
Dear Attendees at ESTRO 29,

As chairpersons of the scientific programme committee, we would like to warmly welcome you to the ESTRO 29 conference which is the ESTRO's major annual scientific event and is being held this week, 12<sup>th</sup> to 16<sup>th</sup> September 2010 in Barcelona.

The scientific programme committee was very successful in setting up a rich and challenging scientific programme which will offer the most relevant and cutting edge science and education not only in radiation oncology, radiation biology, radiation physics and technology, but also oncology. ESTRO 29 emphasizes the importance of collaborative working and there are joint sessions with other oncological societies including ESMO, ESSO, ASTRO, PTCOG, ESGO, EANM, EAU, RRS, PROS and more.

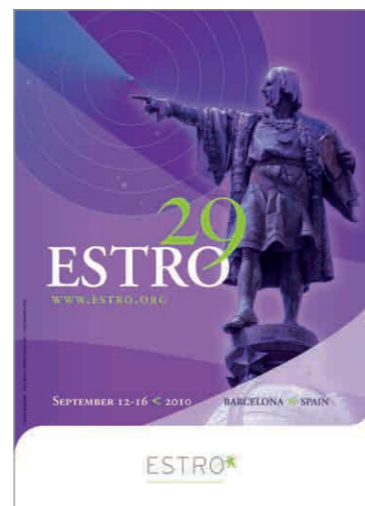
Nearly 1900 abstract submissions were received and ESTRO 29 also represents a unique platform for presenting clinical randomised trials. Indeed, new data on more than 50 randomized clinical trials are presented at this meeting.

The abstracts corresponding to these randomised trials are included in the general abstract book of the meeting, but also specifically in this dedicated booklet to allow a rapid overview of all the Evidence Based Level 1 presented and/or highlighted at the meeting.

Again, we are very happy to welcome you and wish you a very fruitful ESTRO 29 meeting and a pleasant stay in Barcelona.

Yours Sincerely,

Jean Bourhis & Dietmar Georg  
Chairman of the Scientific Programme Committee



## ABSTRACTS OF RANDOMISED TRIALS To be Presented at ESTRO 29

### I. ORAL PRESENTATIONS

**A META-ANALYSIS OF SIX EUROPEAN TRIALS TO DEVELOP VALIDATED NOMOGRAMS FOR THE PREDICTION OF LOCAL CONTROL, DISTANT METASTASES AND SURVIVAL FOR LOCALLY ADVANCED RECTAL CANCER PATIENTS AFTER LONG COURSE CHEMORADIOTHERAPY**

Valentini Vincenzo

**VALIDATED NOMOGRAMS BASED ON A POOLED DATABASE OF THREE TRIALS TO PREDICT LOCAL RECURRENCES, DISTANT METASTASES AND OVERALL SURVIVAL FOR RECTAL CANCER PATIENTS AFTER SHORT COURSE RADIOOTHERAPY AND SURGERY**

Willem van Gijn

**IMPROVED SPHINCTER AND RECTUM PRESERVATION IN LOW RECTAL CANCER WITH HIGH-DOSE PREOPERATIVE RADIOOTHERAPY: 10 YEARS RESULT OF THE LYON R96-02 RANDOMIZED TRIAL**

Cécile Ortholan

**BOOST WITH REDUCED BREAST DOSE IS ASSOCIATED WITH IMPROVED COSMESIS: RESULTS OF A RANDOMIZED TRIAL**

Peter Graham

**NUTRITION, QUALITY OF LIFE AND CLINICAL OUTCOMES AFTER RT: LONG TERM FU OF A PROSPECTIVE RANDOMISED CONTROLLED TRIAL IN COLORECTAL CANCER**

Paula Ravasco

**A PHASE III TRIAL (RTOG 0129) OF TWO RADIATION-CISPLATIN REGIMENS FOR HEAD AND NECK CARCINOMAS (HNC): IMPACT OF CISPLATIN AND RADIATION INTENSITY ON OUTCOME.**

Kian Ang

**UPDATE OF UK START BREAST RADIOOTHERAPY HYPO-FRACTIONATION RANDOMIZED TRIALS**

John Robert Yarnold

**UPDATE OF UK FAST BREAST RADIOOTHERAPY HYPO-FRACTIONATION RANDOMIZED TRIAL**

John Robert Yarnold

**THE IMPACT OF RADIATION DOSE, HISTOLOGY AND AGE IN BREAST CONSERVING THERAPY: LONG TERM RESULTS FROM THE EORTC BOOST NO BOOST TRIAL**

Harry Bartelink

**AN UPDATE OF RTOG 94-08: A PHASE III TRIAL EVALUATING SHORT-TERM ANDROGEN DEPRIVATION PRIOR TO AND DURING CONVENTIONAL-DOSE**

**RADIATION THERAPY IN PATIENTS WITH T1B T2B PROSTATE CANCER AND A PSA OF  $\leq$  20NG/ML**

William U. Shipley

**UPDATE ON PROG 95-09: 10 YEAR OUTCOMES OF 79 GY VERSUS 70 GY CONFORMAL RT IN LOW- AND INTERMEDIATE-RISK PROSTATE CANCER**

William U. Shipley

**A RANDOMIZED MULTICENTRE STUDY OF HYPER-FRACTIONATED (HFRT) VERSUS STANDARD RADIO-THERAPY (STRT) IN CHILDREN WITH STANDARD RISK MEDULLOBLASTOMA (MB)**

Rolf-Dieter Kortmann

**MANAGING A RANDOMIZED CLINICAL TRIAL IN A DEVELOPING COUNTRY--PAKISTAN: PROBLEMS AND EXPERIENCES**

Naseem Begum

**ACUTE TOXICITY PROFILE AND COMPLIANCE TO ARCON FOR CT2-4 LARYNGEAL CANCER: RESULTS OF A PHASE III RANDOMIZED TRIAL**

Geert O.R.J Janssens

**THE ROLE OF COX-2 INHIBITOR (CELECOXIB) IN COMBINATION WITH CHEMO-RADIOOTHERAPY, IN IMPROVEMENT OF THE SURVIVAL AND RESPONSE RATE IN HEAD AND NECK CARCINOMA, PHASE III, RANDOMIZED CLINICAL TRIAL**

Mahdi Aghili

**THE INFLUENCE OF HPV-ASSOCIATED P16-EXPRESSION ON RESPONSE TO ACCELERATED FRACTIONATION IN RADIOOTHERAPY OF HEAD AND NECK CANCER. EVALUATION OF THE RANDOMISED DAHANCA 6 & 7 TRIAL**

Pernille Lassen

**A RANDOMIZED TRIAL OF HYPERBARIC O2 IN PREVENTION OF LATE TOXICITY IN HNC**

Peter Levendag

**ATLAS (ADJUVANT TAMOXIFEN, LONGER AGAINST SHORTER): 10 VERSUS 5 YEARS OF ADJUVANT TAMOXIFEN - INITIAL RESULTS FROM AN INTERNATIONAL RANDOMISED TRIAL AMONG 11,607 WOMEN WITH EARLY BREAST CANCER**

Christina Davies

**RESULTS OF ACCORD 12 RANDOMIZED TRIAL IN RECTAL CANCER**

Jean-Pierre Gérard

**RESULTS OF THE TROG / EFC 46-90 RANDOMIZED TRIAL WITH EMPHASIS ON RT-QA IN HEAD AND NECK CANCER**

Jordi Giralt

**FINAL RESULTS OF A RANDOMIZED TRIAL COMPARING ACCELERATED RADIOOTHERAPY AND/OR CONCOMITANT CHEMOTHERAPY IN LOCALLY ADVANCED HEAD AND NECK SCC**

Jean Bourhis

**RANDOMISED TRIAL OF EXTERNAL BEAM RADIOTHERAPY ALONE OR WITH HIGH-DOSE-RATE BRACHYTHERAPY BOOST IN LOCALISED PROSTATE CANCER**

*Peter Hoskin*

**LONG TERM RESULTS OF IMMEDIATE POST-OPERATIVE RADIOTHERAPY AFTER RADICAL PROSTATECTOMY IN PT3N0 PROSTATE CANCER (EORTC 22911)**

*Michel Bolla*

**FINAL RESULTS OF RANDOMIZED TRIAL ON ADJUVANT CHEMOTHERAPY AFTER PREOPERATIVE CHEMORADIATION IN RECTAL CANCER**

*Luca Cionini*

**PROSTATE-SPECIFIC ANTIGEN AND ALKALINE PHOSPHATASE CONTROL DURING DEGARELIX OR LEUPROLIDE TREATMENT**

*Bertrand Tombal*

**RANDOMIZED TRIAL SHOWS REDUCED WHOLE BREAST DOSE REVERSES BENEFIT OF LUMPECTOMY RADIOTHERAPY BOOST**

*Peter Graham*

**LONG-TERM QUALITY OF LIFE AFTER RADIOTHERAPY FOR ENDOMETRIAL CANCER: RESULTS FROM THE RANDOMIZED PORTEC-2 TRIAL**

*Remi Nout*

**10 YEAR MAIN ENDPOINTS DATA FROM THE TROG 96.01 RANDOMIZED TRIAL**

*James Denham*

**A PROSPECTIVE PHASE III RANDOMIZED TRIAL OF HYPOFRACTIONATION VERSUS CONVENTIONAL FRACTIONATION IN PATIENTS WITH HIGH-RISK PROSTATE CANCER**

*Giorgio Arcangeli*

**OUTCOME AFTER ARCON FOR CLINICAL STAGE T2-4 LARYNGEAL CANCER: EARLY RESULTS OF A PHASE III RANDOMIZED TRIAL**

*Johannes Kaanders*

**THREE-YEARS RESULTS OF THE GERMAN ARO 04-01 PROSPECTIVE RANDOMIZED TRIAL COMPARING CONCURRENT CHEMORADIATION WITH 72 GY HYPERFRACTIONATED ACCELERATED RADIATION THERAPY (HART) PLUS ONCE WEEKLY CISPLATINUM/5-FLUOROURACIL VERSUS MITOMYCIN C/5-FLUOROURACIL IN LOCALLY ADVANCED STAGE IV HEAD AND NECK CANCER**

*Volker Budach*

**TREATMENT OF PATIENTS WITH HODGKIN LYMPHOMA IN EARLY FAVOURABLE STAGES: FINAL ANALYSIS OF THE RANDOMIZED GERMAN HODGKIN STUDY GROUP (GHSg) TRIAL HD10**

*Hans Theodor Eich*

**NEURO-COGNITIVE FOLLOW-UP AND QUALITY OF LIFE IN PATIENTS WITH LIMITED SMALL CELL CANCER TREATED WITH TWO DIFFERENT DOSES OF PROPHYLACTIC CRANIAL IRRADIATION IN A PCI INTERGROUP RANDOMIZED TRIAL (PCI99-01, EORTC**

**22003-08004, RTOG 0212, IFCT 99-01) ON BEHALF OF THE PROPHYLACTIC CRANIAL IRRADIATION (PCI) COLLABORATIVE GROUP**

*Cécile Le Pechoux*

**META-ANALYSIS OF MODIFIED FRACTIONATION RADIOTHERAPY IN LUNG CANCER ON 9 RANDOMIZED TRIALS**

*Michele Iris Saunders*

**DAILY ORAL PERIFOSINE IN COMBINATION WITH RADIOTHERAPY IN LOCALLY ADVANCED NON-SMALL CELL LUNG CANCER: FIRST RESULTS OF A RANDOMIZED DOUBLE-BLIND, PLACEBO-CONTROLLED MULTICENTER PHASE II STUDY**

*Marcel Verheij*

**LOCAL CONTROL IN LOCALLY ADVANCED NON-SMALL CELL LUNG CANCER: LONG-TERM RESULTS OF THE CEBI 138 RANDOMISED TRIAL**

*Rodrigo Arriagada*

**RANDOMISED TRIAL OF RADIOTHERAPY ALONE OR RADIOTHERAPY WITH CARBOGEN AND NICOTINAMIDE IN LOCALLY ADVANCED BLADDER CARCINOMA**

*Peter Hoskin*

**IMPROVEMENT OF LOCAL PROGRESSION (LPFS) AND DISEASE-FREE SURVIVAL (DFS) BY REGIONAL HYPERTHERMIA (RHT) COMBINED WITH NEO-ADJUVANT CHEMOTHERAPY IN NON-EXTREMITY (NE) HIGH-RISK SOFT-TISSUE SARCOMA (HR-STs) WITH COMPLETE (R0/R1) SURGICAL RESECTION**

*Rolf-Dieter Issels*

**RESULTS OF A PHASE III MULTI-CENTRE RANDOMISED CONTROLLED TRIAL OF INTENSITY MODULATED (IMRT) VS CONVENTIONAL RADIOTHERAPY (RT) IN HEAD AND NECK CANCER (PARSPORT: ISRCTN48243537; CRUK/03/005)**

*Christopher Nutting*

**ADJUVANT RADIOTHERAPY IN BREAST CANCER: RESULTS OF THE STOCKHOLM RANDOMISED TRIAL WITH 30-YEARS OF FOLLOW-UP**

*Rodrigo Arriagada*

**THE IMPORTANCE OF HAEMOGLOBIN LEVEL AND EFFECT OF TRANSFUSION IN HNSCC PATIENTS TREATED WITH RADIOTHERAPY – RESULTS FROM THE RANDOMIZED DAHANCA 5 STUDY**

*Camilla Hoff*

**TOPICAL RECTAL BECLOMETASONE DYPROPIONATE FOR THE PREVENTION OF RADIATION-INDUCED PROCTOPATHY: A PROSPECTIVE, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, ENDOSCOPY-BASED STUDY**

*Lorenzo Fuccio*

**DOSE ESCALATION AND ANDROGEN DEPRIVATION IN PROSTATE CANCER: 10 YEAR DATA FROM TROG 96.01 SUGGEST BOTH ARE NEEDED**

*David Lamb*

**RANDOMIZED STUDY OF ARANESP AS MODIFIER OF RADIOTHERAPY IN PATIENTS WITH PRIMARY SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK (HNSCC) - FINAL OUTCOME OF THE DAHANCA 10 TRIAL**

*Jens Overgaard*

## II. POSTERS

**RADIATION INDUCED PNEUMONITIS DUE TO HYPOFRACTIONATED RADIOTHERAPY IN EARLY BREAST CANCER PATIENTS: A PHASE II RANDOMISED TRIAL**

*Loanna Fragkandrea-Nixon*

**ASSESSING THE EFFECTIVENESS OF A BODY EMULSION (HIALDERM) FOR PREVENTING AND TREATING SKIN TOXICITY IN BREAST CANCER PATIENTS UNDERGOING RADIOTHERAPY. A RANDOMIZED, OPEN-LABEL CONTROLLED STUDY**

*José Pardo*

**RANDOMIZED CLINICAL TRIAL ON HYPERFRACTIONATED VS. HYPOFRACTIONATED PREOPERATIVE RADIOTHERAPY FOR RECTAL CANCER: PRELIMINARY EVALUATION OF PERIOPERATIVE ADVERSE EVENTS**

*Iwona Wzietek*

**RESPONSE EVALUATION AND SURGERY DATA FROM A PHASE II RANDOMIZED STUDY OF CONCOMITANT CHEMORADIATION WITH OR WITHOUT INDUCTION DOCETAXEL, CISPLATIN AND 5-FLUOROURACIL (TPF) IN LOCALLY ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMA**

*Maria Grazia Ghi*

**A RANDOMISED STUDY ON SET-UP ERROR IN BREAST CANCER RADIOTHERAPY BY EPID WITH DIFFERENT METHODS. PRELIMINARY CLINICAL EXPERIENCE WITH VISION RT**

*Teresa Ferrara*

**Interim data presented from ongoing randomized trials (posters)**

**PILOT RANDOMIZED STUDY OF BICALUTAMIDE AND DUTASTERIDE VS STANDARD REGIMEN FOR PROSTATE CYTOREDUCTION FOR BRACHYTHERAPY**

*Marc Gaudet*

**HYPOXIA DOSE PAINTING BASED ON DYNAMIC [18F]-FMISO PET/CT: STATUS REPORT ON A RANDOMIZED CLINICAL TRIAL**

*Daniela Thorwarth*

**ICORG 09-06: PROSPECTIVE RANDOMISED PHASE II TRIAL EVALUATING ADJUVANT PELVIC RADIOTHERAPY USING EITHER IMRT OR 2-DIMENSIONAL VIRTUAL SIMULATION PLANNING FOR EARLY STAGE ENDOMETRIAL CANCER**

*Lydia O'Sullivan*

## III. OVERVIEW ON UPDATE OF PHASE III CLINICAL TRIALS

**(TEACHING LECTURE AND AWARD LECTURE)**

**INDIVIDUAL PATIENT DATA META-ANALYSIS AND RADIOTHERAPY IN HEAD AND NECK AND LUNG CANCER**

*Jean-Pierre Pignon*

**ORGAN PRESERVATION IN BLADDER CARCINOMA, INCLUDING UPDATE OF RANDOMIZED TRIALS**

*Jürgen Dunst*

**REVIEW OF RANDOMIZED CLINICAL TRIALS IN BRAIN METASTASES**

*Umberto Ricardi*