Best of ASTRO 2019

Czech Republic

23.3. 2020

Clarion Congress Hotel Olomouc
09:15 - 09:30  Welcome

09:30 - 10:15  Track 1 – Gastrointestinal (Renata Soumarova)

Abstract 1: (175) A Pilot Study of Neoadjuvant FOLFIRINOX followed by Chemoradiation for Gastric and Gastroesophageal Cancer: Preliminary Results and Prognostic Implications of ctDNA

Abstract 2: (176) Patterns of Recurrence in the Critics Gastric Cancer Trial: Results from Intention-to-Treat and per-Protocol Analyses


Abstract 4: (217) ctDNA As a Potential Prognostic Marker for Locally Advanced Rectal Cancer Patients Receiving Neoadjuvant Chemo-Radiation Therapy on Disease-Free Survival (DFS)

Abstract 5: (218) Patient-Derived Organoids (PDO) As the Potential Model to Predict Treatment Outcome of Rectal Cancer Patients Underwent Neo-Adjuvant Chemoradiotherapy

Abstract 6: (219) Improved Stratification for Risk of Early Metastases by Baseline Circulating Tumor Cell Counts for Locally Advanced Rectal Cancer in Neoadjuvant Setting: an Exploratory Analysis from a Phase III trial

Abstract 7: (227) Multicenter Phase II Study of Stereotactic Ablative RadioTherapy for Hepatocellular Carcinoma ≤ 5 cm (KROG 12-02)

Abstract 8: (229) Evaluating the Impact of Combination of Nivolumab and Ipilimumab to Liver/Lung SBRT on Local Control for Colorectal and Pancreatic Cancer: A Pooled Analysis of Two Prospective Trials
10:15 - 11:00  Track 2 – Gynecological (Martin Dolezel)

Abstract 1: (2) Patterns of Recurrence and Survival in the Randomized Portec-3 Trial of Chemoradiotherapy for High-Risk Endometrial Cancer

Abstract 2: (101) IMRT Improves Late Toxicity Compared to Conventional RT: An Update on NRG Oncology- RTOG 1203

Abstract 3: (104) Sexual Activity and Vaginal Functioning in Patients with Locally Advanced Cervical Cancer following Definitive Radiochemotherapy and Image-Guided Adaptive Brachytherapy (EMBRACE Study)

Abstract 4: (105) Comparison of Concurrent Cisplatin Chemoradiotherapy Plus Adjuvant Chemotherapy Versus Concurrent Chemoradiotherapy Alone in Locally Advanced Cervical Cancer

Abstract 5: (103) Nomograms Predicting Overall Survival in Locally Advanced Cervical Cancer treated by Image Guided Brachytherapy: a Retro-EMBRACE study

Abstract 6: (1237) Definitive External Beam Radiation Therapy With Stereotactic Body Radiation Therapy Boost for FIGO Stage IB - IIB Cancer of the Cervix: Minimum 5-Year Disease Control, Toxicity and Quality of Life Outcomes From a Phase 2 Trial

Abstract 7: (1242) Regional Control and Dose-Response for Chemoradiotherapy in Locally-Advanced Endometrial Cancer

Abstract 8: (1238) Stage III Uterine Serous Carcinoma: Improved Outcomes in the Modern Era with Multi-Modality Treatment
Abstract 1: (77) A Phase III Multi-Centre Randomised Trial comparing adjuvant versus early salvage Radiotherapy following a Radical Prostatectomy: Results of the TROG 08.03 and ANZUP “RAVES” Trial

Abstract 2: (112) Accelerating Prostate Stereotactic Ablative Body Radiotherapy (SABR): Efficacy and Toxicity of a Randomized Phase II Study of 11 Versus 29 Days Overall Treatment Time (PATRIOT Study; ClinicalTrials.gov NCT01423474)

Abstract 3: (115) A Biochemical Definition of Cure Following Brachytherapy for Prostate Cancer: A Multi-Institution International Study

Abstract 4: (1050) Hypo-Fractionation in Muscle-Invasive Bladder Cancer: An Individual Patient Data (IPD) Meta-Analysis of the BC2001 and Bcon Trials

Abstract 5: (111) Patient Reported Acute Toxicity in PACE-B, an International Phase III Randomised Controlled Trial Comparing Stereotactic Body Radiotherapy to Conventionally Fractionated or Moderately Hypofractionated Radiotherapy (CFMHRT) for Localised Prostate Cancer

Abstract 6: (113) High Dose-Rate Prostate Brachytherapy as Monotherapy: a Single Fraction May Not be Enough

Abstract 7: (82) Development and Validation of the First AJCC Compliant Clinical Staging System for Localized Prostate Cancer: Results from a Multicenter International Study

Abstract 8: (81) Radical Prostatectomy, External Beam Radiotherapy, or External Beam Radiotherapy With Brachytherapy Boost: Comparison of Outcomes in A Multi-Institutional Analysis of 4,086 Patients with High-Risk Prostate Cancer

Abstract 9: (LBA 1) Two Years of Anti-Androgen Treatment Increases Other-Cause Mortality in Men Receiving Early Salvage Radiotherapy: A Secondary Analysis of the NRG Oncology/RTOG 9601 Randomized Phase III Trial
12:00 - 12:30  **Track 4 – Breast (Jiri Petera)**

**Abstract 1: (5)** Cosmetic Outcome from Post Lumpectomy Whole Breast Irradiation (WBI) Versus Partial Breast Irradiation (PBI) on the NRG Oncology/NSABP B39- RTOG 0413 Phase III Clinical Trial

**Abstract 2: (85)** Quantifying the Impact of Regional Lymph Node Irradiation on Lymphedema Risk in Breast Cancer Patients Treated with SLNB or ALND: Long- Term Results from a Prospective Screening Trial

**Abstract 3: (84)** Prospective Phase II Clinical Trial of Hypofractionated Radiation in Breast Cancer Patients undergoing Comprehensive Nodal Irradiation for Node Positive Disease

**Abstract 4: (87)** A Prospective Phase I trial of Concurrent Cisplatin (CIS) and Radiation Therapy (RT) in Women with Stage II and III Triple-negative Breast Cancer (TNBC)

**Abstract 5: (18)** Impact of Adjuvant Trastuzumab on Locoregional Failure Rates in the NCCTG N9831 (Alliance) Study

**Abstract 6: (83)** Post Mastectomy Radiation Therapy in HER2/neu Positive Breast Cancer: Analysis of the HERA trial
13:30 - 14:00  **Track 5 – Best of the Rest (Martin Doležel)**

**Abstract 1:** (1) PET-Guided Treatment of Early-Stage Favorable Hodgkin Lymphoma: Final Results of the International, Randomized Phase 3 Trial HD16 by the GHSG

**Abstract 2:** (69) Radiotherapy in Early-Stage Gastric MALT: Improved Survival without Increased Cardiac Death

**Abstract 3:** (11) The Low-Dose Bath Paradox: Do Spatial Irradiation Patterns Play a Role in the Incidence of Radiation Pneumonitis Following PSPT or IMRT?

**Abstract 4:** (63) Acute Toxicity Patterns in Adaptive High Precision Radiotherapy for Head and Neck Cancer - a Randomised Controlled Trial

**Abstract 5:** (98) A Prospective Randomized Phase II Trial of Single-Fraction versus Multi-Fraction Stereotactic Spine Radiosurgery for Spinal Metastases: An Initial Analysis

**Abstract 6:** (100) Single-Fraction Stereotactic versus Conventional Multifraction Radiation for Predominantly Non-Spine Bone Metastases: A Randomized Phase II Trial

**Abstract 7:** (148) Quality of Life Outcomes after Stereotactic Ablative Radiotherapy (SABR) vs. Standard of Care Palliative Treatments: A Secondary Analysis of the SABR-COMET Randomized Trial

14:00 - 14:30  **Track 6 – Oligometra (Jakub Cvek)**
14:30 - 15:00  Track 7 – Lung (David Feltl)

Abstract 1: (71) The Incidence and Location of Brain Metastases Following HA-PCI Compared with Standard PCI in Small Cell Lung Cancer (SCLC): A Phase III Trial

Abstract 2: (72) Phase III Trial of Prophylactic Cranial Irradiation with or without Hippocampal Avoidance for SMALLCELL LUNG Cancer.

Abstract 3: (73) A Prospective Single Arm Phase I/II Study: Consolidative Ipilimumab and Nivolumab with Thoracic Radiotherapy after Platinum Based Chemotherapy for Patients with Extensive-Stage Small Cell Lung Cancer

Abstract 4: (90) Accelerated Hypofractionated CRT Followed by SABR Boost (HyCRT-SABR) for Locally Advanced Unresectable NSCLC: A Prospective Phase II Radiation Dose Escalation Study

Abstract 5: (91) Left Coronary Artery Dose Exposure Predicts Major Adverse Cardiac Events in Coronary Heart Disease Negative Lung Cancer Patients

Abstract 6: (92) The Dutch Lung Cancer Audit-Radiotherapy (DLCA-R): Real-World Data on Elderly Stage III Non-Small Cell Lung Cancer Treated with Definitive Chemoradiation
15:15 - 16:00  **Track 8 – Head and Neck (Milan Vosmik)**

**Abstract 1:** (106) Radiotherapy vs. Trans-Oral Robotic Surgery for Oropharyngeal Squamous Cell Carcinoma (OPSCC): Results of a Randomized Trial

**Abstract 2:** (107) A Phase II Trial of Alternative Volumes of Oropharyngeal Irradiation for Deintensification (AVOID): Omission of the Resected Primary Tumor Bed for Squamous Cell Carcinoma of the Oropharynx

**Abstract 3:** (31) Reduction of Radiotherapy Dose to the Elective Neck in Head and Neck Squamous Cell Carcinoma; Update of the Long-Term Tumor Control of a Randomized Clinical Trial

**Abstract 4:** (108) Recurrence and Quality-of-Life Following Elective Nodal Volume and Dose De-escalation for Oropharyngeal and Laryngeal Cancer: Initial Results from the Infield Trial

**Abstract 5:** (109) Randomized Clinical Trial on 7-days-aweek Postoperative Radiotherapy vs. Concurrent Postoperative Radio-chemotherapy in Locally Advanced Cancer of the Oral Cavity/Oropharynx

**Abstract 6:** (32) Stem Cell Sparing IMRT for Head and Neck Cancer Patients: A Double-Blind Randomized Controlled Trial

**Abstract 7:** (34) Cost-Effectiveness of Screening for Nasopharyngeal Carcinoma with Serology or Plasma Epstein Barr-Virus DNA in High-Incidence Populations Globally

**Abstract 8:** (37) A Pilot Study of Stereotactic Body Radiotherapy (SBRT) Combined with a PD-L1 Antibody Durvalumab (D) and a CTLA-4 antibody Tremelimumab (T) To Treat Metastatic Anaplastic Thyroid Cancer (ATC)

**Abstract 9:** (LBA 5) Detectable HPV ctDNA in Post-Operative Oropharyngeal Squamous Cell Carcinoma Patients is Associated with Progression

**Abstract 10:** (LBA 10) NRG-HN002: A Randomized Phase II Trial for Patients with p16-Positive, Non- Smoking-Associated, Locoregionally Advanced Oropharyngeal Cancer
16:00 - 16:45  Track 9 – Central Nervous System (Tomas Kazda, Pavel Slampa)

**Abstract 1:** (3) Radiosurgery Compared to External Beam Radiotherapy for Localized Spine Metastasis: Phase III Results of NRG Oncology/RTOG 0631

**Abstract 2:** (23) Significant Preservation of Neurocognitive Function (NCF) and Patient-Reported Symptoms with Hippocampal Avoidance (HA) during Whole-Brain Radiotherapy (WBRT) for Brain Metastases: Final Results of NRG Oncology CC001

**Abstract 3:** (160) Randomized Phase II Trial of Re-Irradiation and Concurrent Bevacizumab versus Bevacizumab Alone as Treatment for Recurrent Glioblastoma (NRG Oncology/RTOG 1205): Initial Outcomes and RT Plan Quality Report

**Abstract 4:** (161) Comprehensive Prognostic and Predictive Molecular Subgroup Analysis within the High-risk Treatment Arms of NRG Oncology/RTOG 9802: A Phase III Trial of RT versus RT + PCV in High-risk Low-grade Gliomas

**Abstract 5:** (20) Prospective Phase I Dose Escalation Study for Neoadjuvant Radiosurgery for Large Brain Metastases

**Abstract 6:** (163) Microstructural Injury to Perisylvian White Matter Predicts Language Decline After Brain Radiotherapy [RT]: Quantitative Analysis of a Prospective Trial

**Abstract 7:** (1056) A Single Blind Randomized Controlled Trial of Hippocampal Avoidance on Neurocognitive Outcomes After Conformal Whole Brain Radiotherapy for Brain Metastases: An Initial Analysis

**Abstract 8:** (MO_4_2176) Leucencephalopathy after Prophylactic Whole Brain Irradiation with or without Hippocampal Sparing: A Long-Term MRI Analysis
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