4th AROME Radiobiology Course
and Innovations: from biology to
clinical practice of hypo fractionation
and Stereotactic Radiotherapy
Wyndham Istanbul Kalamis Marina, Turkey

www.aromecancer.org
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Dr. Joseph Gligorov
Prof. Abraham Kuten

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Prof. Sedat Turkan
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J. Gligorov (FR)
G. Gungor (TR)
S. Igdem (TR)
A. Kuten (IL)
S. Okkan (TR)
M. Ozsahin (TR/CH)
E. Ozyar (TR)
M. N. Pruschy (CH)
N. Radosevic (FR)
B. Rosenstein (USA)
M. Sengoz (TR)
O. Senkesen (TR)
E. Tezcanlı (TR)
S. Turkan (TR)
P. G. Tsoutsou (GR/CH)
M. C. Vozenin (CH)
D. Yalman (TR)
Y. Yarden (IL)
Thursday, Feb. 19, 2014

13:00 - 14:00 Registration

SESSION I   CANCER CELL PROLIFERATION AND CELL DEATH
14:00 - 15:45 Moderator: G. Demir (TR)
            Teacher: Y. Yarden (IL)
            Sustaining proliferative mechanisms in cancer
            Proliferative signalling
            Cell death
            Autophagy - cell survival and death
            Necrosis has Pro-inflammatory and Tumor-Promoting Potential
            Angiogenesis induction
            Angiogenic switch
            Activating invasion and metastasis

15:45 - 16:00 COFFEE BREAK

SESSION II  RESISTANCE TO THERAPY: MECHANISMS AND CHALLENGE TO OVERCOME RESISTANCE TO CHEMOTHERAPY AND TARGETED THERAPIES
16:00 - 17:30 Moderator: G. Basaran (TR)
            Teacher: J. Gligorov (FR)
            Resistance to endocrine treatments (breast and prostate)
            Resistance to anti-HER treatments (HER1-2)
            Resistance to anti-angiogenic drugs
            Resistance to chemotherapies

17:30-18:00 Moderator: Y. Belkacemi (FR)
            Teacher: B. Rosenstein (USA)
            The Radiogenomic Consortium

19:00 - 20:00 WELCOME COCKTAIL
Friday, Feb. 20, 2014

COURSE I  BASIC PRINCIPLES OF RADIATION BIOLOGY
9:00 - 10:15  Moderator: S. Turkan (TR)
Teacher: M. N. Pruschy (CH)
- 4/5 R's of Radiotherapy
- Linking Hallmarks of Cancer to 4/5 R's of Radiotherapy
- Modes of (Radiation-Induced) Cell Death

COURSE II  RADIOBIOLOGY AND HYPOFRATIONATION
10:15 - 11:30  Moderator: N. Bese (TR)
Teacher: M. C. Vozenin (CH)
- Biology of Hypofractionation: Tumor-oriented
- Biology of Hypofractionation: Normal Tissue-oriented

COURSE III  CLINICAL RADIOBIOLOGY AND HYPOFRATIONATION
11:30 - 13:00  Moderator: S. Okkan (TR)
Teacher: B. Rosenstein (USA)
- Overview on classic clinical radiobiological parameters and relationships in/from the time of conventional fractionation regimens of radiotherapy
- Relevance and application of clinical radiobiological parameters and relationships for hypofractionated and stereotactic radiotherapy

13:00-14:00  LUNCH BREAK
COURSE IV  THE CLINICAL PRACTICE OF HYPOFRACTIONATED RT AND SBRT

14:00 - 15:40  Moderators: A. Kuten (IL), M. Akmansu (TR), O. Senkesen (TR)
• Physics    : G. Gungor (TR)
• Breast     : Whole breast: N. Bese, (TR)
               Partial breast: Y. Belkacemi (YB)
• Lung       : P. G. Tsoutsou (GR/CH)
• Brain      : M. Sengoz (TR)

15:40 - 16:00  COFFEE BREAK

16:00 - 17:00  Moderators: M. Ozsahin (TR/CH), U. Abacioglu (TR)
• Extracranial SBRT (GIS, Bone, Oligometastases): E. Ozyar (TR)
• Prostate: D. Yalman (TR)
• TBI : Y. Belkacemi (FR)

17:00 - 18:00  Moderator: A. Kuten (IL)
Hypofractionation: from the economic point of view (panel discussion)

Saturday, Feb. 21, 2014
COURSE IV  THE CLINICAL PRACTICE OF HYPOFRACTIONATED RT AND SBRT (CONT)

9:00 - 10:00  Moderators: P. G. Tsoutsou (GR/CH), S. Igdem (TR)
• Reirradiation: M. Ozsahin (TR/CH)
• Palliative RT: E. Tezcanlı (TR)
COURSE V  PERSPECTIVES OF USE OF HOST IMMUNITY TARGETING TO INCREASE RESPONSE TO RADIOTHERAPY
10:00 - 11:00  Moderator: Y. Yarden (IL)
Teacher: N. Radosevic (FR)
Mechanisms of harnessing the immune system to increase anti-tumor responses following radiotherapy

COURSE VI  TARGETING MOLECULAR ELEMENTS FOR RADIOSENSITIZATION
11:00 - 12:30  Moderator: J. Gligorov (FR)
Teachers: M. Pruschy (CH), M.C. Vozenin (CH)
- Modifying radiation response
- Combined radiotherapy with chemotherapy
- Antibodies and small molecules
- Cancer stem cells as targets

12:30  Concluding remarks
J. Gligorov (FR), Y. Belkacemi (FR), N. Bese (TR), A. Kuten (IL)
COURSE VENUE
Wyndham Grand Istanbul Kalamis Marina
Fener Kalamis Caddesi No 38, Istanbul, 34726

Located on the Asian coast of Istanbul adjacent to the exclusive Kalamis Marina and offering breathtaking views of the Sea of Marmara, the newly constructed, five-star Wyndham Grand Istanbul Kalamis Marina hotel offers travelers a welcome refuge in a destination where East effortlessly meets West. With shopping, attractions, recreation and dining nearby, coupled with a stunning location in the heart of the most elegant residential neighborhood on the Asian side of Istanbul and a myriad of amenities and world-class services, business and leisure travelers alike will find this Istanbul Kalamis Marina hotel their ideal choice when lodging in the City of the World’s Desire.

REGISTRATION

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<th>HOTEL PER NIGHT</th>
<th>SNG ROOM</th>
<th>DBL ROOM</th>
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<tr>
<td>Wyndham Kalamis Marina</td>
<td>150 €</td>
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<tr>
<td>Dila Hotel</td>
<td>70 €</td>
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*Hotel prices are per night, included breakfast

HOTEL & REGISTRATION PACKAGE

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<th>HOTEL &amp; REGISTRATION PACKAGE</th>
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<th>DBL**</th>
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<tr>
<td>Wyndham Kalamis Marina</td>
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<td>Dila Hotel</td>
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*Package prices included 2 nights single bed&breakfast accommodation,
2 dinners, 1 lunch, 2 coffeee breaks, cocktail and registration
**Package prices included 2 nights double bed&breakfast accommodation,
2 dinners, 1 lunch, 2 coffeee breaks, cocktail and registration (for 2 participants)

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