The “Young Group” of Italian Radiation Oncology Society (AIRO Giovani): past, present and future.

FILIPPO ALONGI
&
Consiglio Direttivo AIRO GIOVANI
AIRO Giovani: past, present and future.

- **AIRO** is a scientific and professional society with as primary aims *progress of Radiation Oncology in Italy* as a medical discipline, education, integration with other specialties in the field of clinical oncology and cancer imaging, institutional and health management issues dealing with the development and quality of care of radiation therapy in Italy.

- **AIRO** is the ONLY ONE scientific society dedicated to the radiation oncology physicians in Italy.

- **AIRO Giovani (AIRO Young)** is a group of AIRO members below 40 years old, officially born in 2007. To date, Young members represents 46% of AIRO members.
Currently, AIRO Giovani has approximately 362 members (2014), and every year about 90 new residents begin their educational program in Italy, most of them being part of the Society during their residency years.

AIRO Giovani working activities are run by a Board of 6 members, elected every 2 years by young members, including a Coordinator, a past-Coordinator and 4 councillors. External Support Committee was activated in 2012 (Dr. B. Debari,... and coming soon..)
Councillors in exit are:
• Patrizia Ciammella
• Carla Fundoni

Coordinator in exit is:
• Filippo Alongi

Candidate for Coordinator role is:
• Daniela Greto (Univ. Firenze)

New elections will be done during next AIRO National Meeting in Padova.

Candidates for turnover of councillors are:
• Michele Fiore (Roma-Univ.Campus)
• Alba Fiorentino (Verona-Negrar)
• Lorenza Marino (Catania-REM)

Scientific support: Marco Trovo'

CV received and approved for the Role of territorial delegates are:
• F. Dionisi (nord),
• G. Mortellaro (sud),
• S. Chiesa (centro),
• R. Marchese (sud).
ESTABLISHED END POINTS:

- To build a **solid network connections between junior physicians** working in different Institutions throughout the country in order to further progress and to deal with the complexity of modern Radiation Oncology.

- **Educational projects, Research and progress of discipline**, improving the role of RADIATION ONCOLOGIST

- One of the main purposes was also to build up a **program of collaboration** with Italian young Medical Oncology Society members (AIOM), young Medical Radiology Society members (SIRM) as well as with other specialists involved in cancer care such as Surgeons, Urologists (SIURO), Haematologists, etc.
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- Annual scientific national event dedicated to young members:

  2013: 110 Participants
  2014: 115 Participants
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AIRO Giovani thereafter is responsible for the young scientific session of the annual AIRO meeting:

XXXIII CONGRESSO AIRO 2013, TAORMINA

XXIV CONGRESSO AIRO 2014, PADOVA
Program in progress

AIRO Giovani Topics:
1. Impatto dell'Imaging nel planning radioterapico
2. Trattamenti focali versus irradiazione panencefalica nei pazienti affetti da metastasi cerebrali
The Board promotes international relationships with other National Radiation Oncology Societies and with the European Society of Therapeutic Radiology and Oncology (ESTRO).

SPECIAL Subscription to ESTRO for AIRO Young member:

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QUOTA DI ISCRIZIONE E.S.T.R.O. 2014 ESCLUSIVAMENTE PER SOCI AIRO GIOVANI

□ E.S.T.R.O. con convenzione A.I.R.O. Giovani (under 40) - € 55.00
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To date **263** young Italian RO decided to subscribe ESTRO & AIRO
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- The deep relationship with young members of AIOM and SIURO is continuing in 2014 by several Meetings focused on the knowledge exchange between the two fields on Urological Tumours.
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Scientific production

2013

Prostate cancer as a paradigm of multidisciplinary approach? Highlights from the Italian young radiation oncologist meeting

Berardino De Bari¹, Alba Fiorentino², Daniela Greto³, Patrizia Ciammella⁴, Stefano Arcangeli⁵, Barbara Avuzzi⁶, Rolando Maria D’Angelillo⁷, Isacco Desideri⁸, Margarita Kirienko⁹, Debora Marchiori⁹, Francesco Massari¹⁰, Carla Fundoni¹¹, Pierfrancesco Franco¹², Andrea R. Filippi¹³, and Filippo Alongi¹⁴


2014

From radiobiology to technology: what is changing in radiotherapy for prostate cancer

In the last decades, new technologies have been introduced in the daily clinical practice of the radiation oncologist. 3D-Conformal Radiotherapy (3D-CRT) became almost universally available, thereafter, Intensity Modulated RT (IMRT) gained large diffusion, due to its potential impact in improving the clinical outcomes, and more recently, helical and volumetric as IMRT with Image-Guided RT are becoming more and more diffused and used for prostate cancer patients. The conventional dose-fractionation results to be the best compromise between the efficacy and the safety of the treatment, but combining new techniques, modern RT allows to overcome one of the major limits of the “older” RT, the impossibility of delivering higher total doses and/or high dose-rate. The evidences regarding radiobiology, clinical and technological evolution of RT in prostate cancer have been reported and discussed.
AIRO Giovani: past, present and future.

Scientific production

- During the 2010 Italian Association of Radiation Oncology (AIRO) national congress, 4 different clinical cases were presented to attending radiation oncologists.
- Three hundred questionnaires were given to radiation oncologists attending the congress,
- 128 questionnaires were completed and considered for this analysis (41%)

The "PROCAINA (PROstate CANcer INdication Attitudes) Project" (Part I)
A survey among Italian radiation oncologists on post-operative radiotherapy in prostate cancer

Alongi F et al.

The "PROCAINA (PROstate CANcer INdication Attitudes) Project" (Part II)
A survey among Italian radiation oncologists on radical radiotherapy in prostate cancer

De Bari B et al.
The STYRO study (Survey on Training of Young Radiation Oncologists in Italy) is a survey among young members on their ongoing or recently completed residency program, focused on quality of training, educational needs and expectations for the future.

**Issues explored:**
- Demographics
- Duration/organization/content/characteristics of residency program
- Education in clinical oncology
- Education in radiation oncology
- Management
- Communication
The STYRO study (Survey on Training of Young Radiation Oncologists in Italy) is a survey among young members on their ongoing or recently completed residency program, focused on quality of training, educational needs and expectations for the future.

Positive general perception in education and training

Some items still require optimization:

- Combination therapy (RT-CT)
- Peculiar clinical scenarios (Pediatric cancer, Onco-Hematology)
- Particular RT techniques (BRT, IORT, SBRT)
- Structural organization of residency
AIRO Giovani: past, present and future.

Scientific production

STYRO 2014 SOON TO BE LAUNCHED

Only for residents with finalized training
The PEDRO study (Pocketable Eletronic Devices for Radiation oncology) is a survey among young members on their use of new pocketable tools (smartphone and tablets).

The issue is: How these tools are changing our daily clinical activity?

More than 130 Italian young AIRO members completed the questionnaire.

Other countries with young RT members are involved (Spanish and Portugal, Morocco...in progress: Danish and Germany young RO).
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Scientific production

Italia

- Increasing use (2009 vs 2012)
- Less acceptance rate of indications provided by apps
- Most used: guidelines, citational database, radiobiology, drug vademecum
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Scientific production

PEDRO International

Italy, Germany, Denmark, Spain, Portugal
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past, present and future.

- Future projects of AIRO Giovani include the participation to a newly born interdisciplinary group on Prostate Cancer with Urologists and Medical Oncologists.

- In summary, several other events and programs are currently ongoing in order to further promote the role of young Radiation Oncologists in the future cancer care multidisciplinary team.