



**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**.



Associazione
Italiana
Radioterapia
Oncologica



AIRO Giovani: past, present and future.

- 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..)

Organigramma Consiglio Direttivo AIRO GIOVANI		
FILIPPO ALONGI	Coordinatore	filippo.alongi@humanitas.it
ANDREA RICCARDO FILIPPI	Coordinatore uscente	andreariccardo.filippi@unito.it
PATRIZIA CIAMMELLA	Consigliere	patrizia.ciammella@asmn.re.it
PIERFRANCESCO FRANCO	Consigliere	pfranco@ausl.vda.it
CARLA FUNDONI	Consigliere	carlafun@tiscali.it
DANIELA GRETO	Consigliere	daniela.greto@gmail.com

AIRO Giovani: past, present and future.

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).



AIRO Giovani: past, present and future.

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.



AIRO Giovani: past, present and future.

- Annual scientific national event dedicated to young members:



2013 :110 Participants



2014: 115 Participants

AIRO Giovani: past, present and future.

AIRO GIOVANI thereafter is responsible for the young scientific session of the annual AIRO meeting:

XXXIII CONGRESSO AIRO 2013, TAORMINA



The image shows the logo of the AIRO (Associazione Italiana Radioterapisti Oncologi) on the left, featuring a stylized 'AIRO' inside a hexagon. To the right is a poster for the XXXIII Congresso AIRO 2013, held in Taormina from October 26-29. The poster features a classical sculpture of a man's head and torso. Below the poster is a table with the following content:

SABATO 26 OTTOBRE	SALA TINDARI A
11.00-13.00	AIRO GIOVANI Reirradiazione: indicazioni cliniche e problematiche tecniche
13.00-13.30	COLAZIONE DI LAVORO
13.30-15.30	AIRO GIOVANI I trattamenti integrati nell'anziano
16.00-17.30	GRANDANGOLO IN RADIOTERAPIA ONCOLOGICA

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

AIRO Giovani: past, present and future.

- 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:

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

To date **263** young italian RO decided to subscribe ESTRO & AIRO



AIRO Giovani: past, present and future.

- 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.



AIRO Giovani: past, present and future.

Scientific production

2013

Tumori, 99: 637-649, 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 Desideri¹, Margarita Kirienko⁸, Debora Marchiori⁹, Francesco Massari¹⁰,
Carla Fundoni¹¹, Pierfrancesco Franco¹², Andrea R. Filippi¹³,
and Filippo Alongi¹⁴

2014

EXPERT
REVIEWS

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

Expert Rev. Anticancer Ther. 14(5): 605-606 (2014)

Berardino De Bari¹,
Alba Fiorentino²,
Stefano Arcangeli³,
Pierfrancesco Franco⁴,
Rolando Maria
D'Angelillo⁵ and
Filippo Alongi⁶

¹Radiation Oncology Department,
Centre Hospitalier Universitaire
Vaudois - CHUV, Lausanne, Switzerland
²Radiation Oncology Department, San
Camillo-Forlanini Hospital, Rome
³Università di Padova, Padova, Italy
⁴Università di Bari, Bari, Italy
⁵Università di Bari, Bari, Italy
⁶Università di Bari, Bari, Italy

In the last decades, new technologies have been introduced in the daily clinical practice of the radiation oncologist: 3D-Conformal Radiotherapy (RT) 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 arc 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-fractionation. The evidences regarding radiobiology, clinical and technological evolution of RT in prostate cancer have been reported and discussed.

Keywords: prostate cancer • radiobiology • radiotherapy • technique • technology

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.



2013 published

**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.



2013 published



AIRO Giovani: past, present and future.

Scientific production

- 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.

DOI 10.1007/s12032-013-0729-y

ORIGINAL PAPER

The STYRO 2011 project: a survey on perceived quality of training among young Italian radiation oncologists

Pierfrancesco Franco · Patrizia Ciammella · Andrea Peruzzo Cornetto ·
Berardino De Bari · Michela Buglione · Lorenzo Livi · Filippo Alongi ·
Andrea Riccardo Filippi

Issues explored:

- Demographics
- Duration/organization/content/characteristics of residency program
- Education in clinical oncology
- Education in radiation oncology
- Management
- Communication



AIRO Giovani: past, present and future.

Scientific production

- 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**



AIRO Giovani: past, present and future.

Scientific production

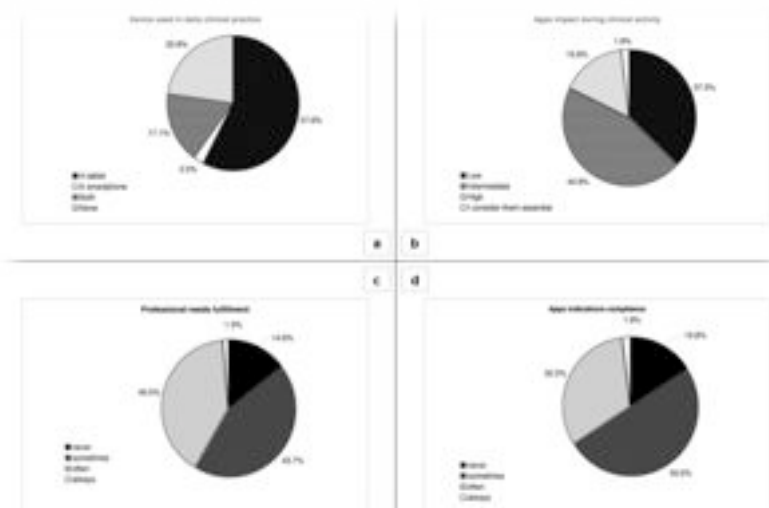
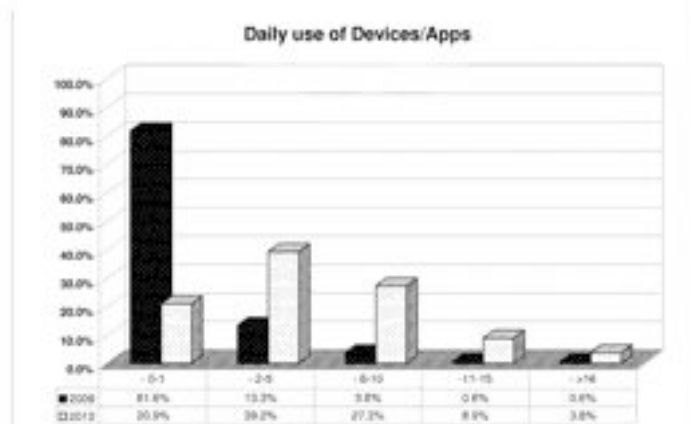
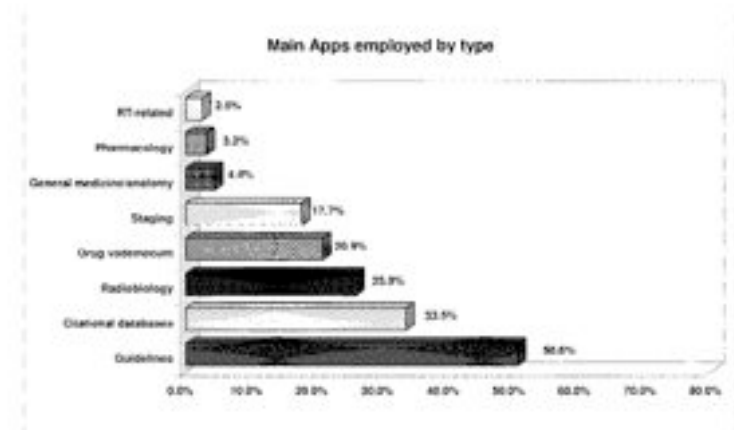
- The **PEDRO** study (Pocketable Electronic Devices for Radiation oncology) is a survey among young members on their use of new pocketable tools (smartphone and tablets).
- The issue is: How these tools are changing our daily clinical activity?
- More than **130** Italian young AIRO members completed questionnaire
- Other countries with young RT members are involved (Spanish and Portugal, Marocco...in progress: Danish and Germany young RO).

AIRO Giovani: past, present and future.

Scientific production

Italy

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

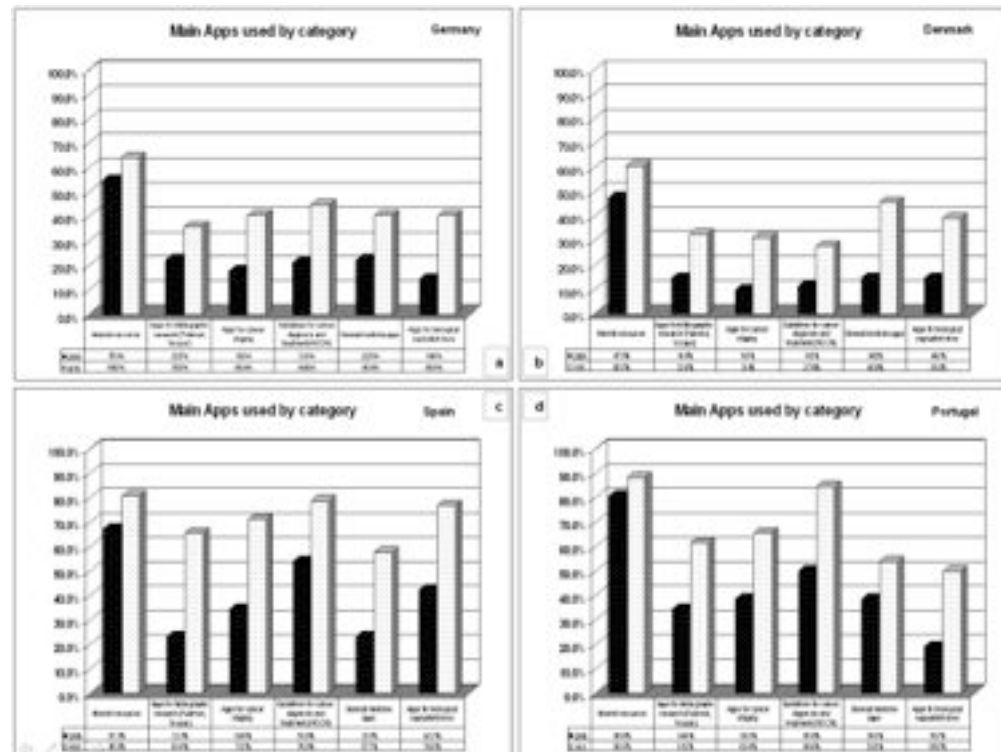


AIRO Giovani: past, present and future.

Scientific production

PEDRO International

Italy, Germany, Denmark, Spain, Portugal



AIRO Giovani: 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.