

III MOLECULAR CYTOPATHOLOGY

Thursday 27 September 2012

meeting direction: **prof. Lucio Palombini**
prof. Giancarlo Troncione

Centro Congressi Federico II, Via Partenope 36, Napoli
Dipartimento di Scienze Biomorfologiche e Funzionali
Università degli studi di Napoli Federico II

Cytology is undergoing a change. The focus of this one-day meeting is on the need of cytologists to embrace such change and to integrate molecular cytopathology into practice.

In many instances, cytology represents the only source of sampling and it often substitutes histology as an independent diagnostic modality. Thus, DNA molecular targets to stratify patients for targeted therapy are often evaluated on cytology. In addition, DNA mutational tests may refine indeterminate thyroid and pancreas cytology. This meeting will discuss the applications and limitations of DNA mutational testing on cytology. Respect to histology, most cytological samples have the advantages of a purer population of tumor cells, with low stromal component and of better preserved DNA. However, since in vitro diagnostic tests are licensed only for paraffin-tissue, all mutational assays on cytology are "home brew", requiring a rigorous validation process. This should take into account not only the performance characteristics of the molecular assay but also features inherent to any given cytological samples, such as its source, preparation type, fixation and staining modalities and the most effective tumour cell enrichment methods. This calls for a change of cytotecnologists and cytopathologists mentality to collect and process the cytological samples not only for microscopy but also to assess clinically relevant molecular markers.

ISCRIZIONI

Le iscrizioni al Convegno sono gratuite ed a numero chiuso. Per iscriversi è necessario compilare l'apposita scheda ed inviarla entro il giorno 15 settembre a mezzo fax o e-mail alla Segreteria Organizzativa Concerto Srl - Calata San Marco, 13 80133 Napoli tel. +39 081 19569195 fax +39 081 2140448 info@concertosrl.net www.concertosrl.net



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PROGRAMMA

MEETING OVERVIEW

- 9.30-9.40 Lucio Palombini (Napoli);
Giancarlo Troncone (Napoli)
Introduction
- 9.40-9.50 Sabino de Placido (Napoli)
The oncologist's reasons
- 9.50-10.00 Ambrogio Fassina (Padova)
The pathologist's reasons

I session: The cytological sample as a biomolecular specimen

Chairmen: Gian Luigi Taddei (Firenze);
Gaetano De Rosa (Napoli)

- 10.00-10.15 Dara L. Aisner (Denver)
Sample type and preparation
- 10.15-10.30 Umberto Malapelle (Napoli)
DNA quality and quantity
- 10.30-10.45 Giovanni Tallini (Bologna)
Molecular techniques
on cytological specimen
- 10.45-11.00 Discussion

Coffee Break

II session: Diagnostic Molecular Cytopathology

Chairmen: Pietro Micheli (Napoli);
Bernardette Biondi (Napoli)

- 11.30-11.45 Giuseppe Giuffrè (Messina)
Cervix
- 11.45-12.00 Aldo Scarpa (Verona)
Lung
- 12.00-12.15 Giovanni Tallini (Bologna)
Thyroid
- 12.15-12.30 Pio Zeppa (Salerno)
Lymphnode
- 12.30-12.45 Discussion

Lunch

- 13.30-14.00 Chairmen: Lucio Palombini (Napoli)
Magistral lecture

Faculty

D.L. Aisner (Denver) F. Butitta (Chieti)
C. Bedrossian (Chicago) G. da Cunha Santos
C. Bellecine (Napoli) (Toronto)
B. Biondi (Napoli) S. de Placido (Napoli)
G. Botti (Napoli) G. de Rosa (Napoli)

A. Fassina (Padova)
G. Fontanini (Pisa)
G. Giuffrè (Messina)
U. Malapelle (Napoli)
P. Micheli (Napoli)

O. Nappi (Napoli)
L. Palombini (Napoli)
L. Santarpia (Prato)
A. Scarpa (Verona)
G. Taddei (Firenze)

G. Tallini (Bologna)
G. Troncone (Napoli)
A. Vetrani (Napoli)
P. Vielh (Paris)
P. Zeppa (Napoli)

Carlos Bedrossian (Chicago)
Bridging the gap: cytopathology
at the threshold of personalized
medicine

III session: Predictive Molecular Cytopathology

Chairmen: Antonio Vetrani (Napoli);
Giancarlo Troncone (Napoli)

- 14.00-15.15 Gilda da Cunha Santos (Toronto)
EGFR: Toronto experience
and opportunities
- 15.15-15.30 Gabriella Fontanini (Pisa)
EGFR: Pisa experience
- 15.30-15.45 Claudio Bellecine (Napoli)
EGFR: Napoli experience
- 15.45-16.00 Dara L. Aisner (Denver)
Oncogene mutational testing
on cytology
- 16.00-16.15 Discussion

Coffee break

IV session: Perspectives in Molecular Cytopathology

Chairmen: Gerardo Botti (Napoli);
Oscar Nappi (Napoli)

- 16.30-16.45 Philippe Vielh (Paris)
Developments in breast
molecular cytopathology
- 16.45-17.00 Libero Santarpia (Prato)
FNA-based mutational profile
in breast cancer.
- 17.00-17.15 Gilda da Cunha Santos (Toronto)
FTA cards and biobanking
- 17.15-17.30 Fiamma Butitta (Chieti)
Next gene sequencing
in cytopathology
- 17.30-17.45 Discussion
- 17.45-18.00 Take home messages
Lucio Palombini (Napoli);
Giancarlo Troncone (Napoli)