

RATIONALE

Adeno-pituitary tumour represents a complex disease, with a wide spectrum of clinical manifestations, according to the ability of secreting different hormones or pro-hormones and of invading the neighbouring anatomical structures, such as the same pituitary gland, the optical chiasm, the cavernous sinus, the bone, the third ventricle and the ventricular system.

In the most recent years, a better definition of these neoplasia was researched in order to identify biomarkers able to predict the natural history of adeno-pituitary tumour and their responsiveness to the different treatments.

Until now, the classifications of the neoplasms arising from adeno-hypophysial cells have been misleading because of their poor reproducibility and their weak ability in predicting the aggressiveness, the prognosis, and the outcome of these neoplasia. The 2004 WHO classification distinguished pituitary adenoma in typical and atypical ones according to the detection of mitoses and according to the expression of Ki-67 or p53. The 2004 WHO classification however failed in identifying pituitary tumours refractory to medical, surgical or radiation therapies or able to regrowth or to metastasize. Similarly, the new 2017 WHO classification lacks in defining the prognosis of pituitary neoplasia. Invasive, recurrent and proliferative pituitary neoplasia cause significant morbidity, in particular in cases of persistence hormonal hyper-secretion. Both long term hormonal hyper-secretion and hypopituitarism, in absence of an adequate hormonal replacement therapy, are associated to increased morbidity and mortality for their systemic complications.

Therefore, recently, adeno-pituitary tumours were included in neuroendocrine tumours (NETs). This new terminology of pituitary neuroendocrine tumor (PitNET) may reflect better the potential for aggressiveness and malignant behaviour and of these neoplasia. Anyway a consensus on PitNETs was not yet reached.

On this basis, in the recent years, a wide number of research investigated the genetic, molecular and biological features of PitNETs, in order to predict the clinical behaviour of these neoplasia and to personalize the treatments in not-secreting and secreting tumors as prolactinoma, acromegaly, Cushing disease. The current event has the aim of updating participants on the latest biological, genetic and clinical acquisitions on PitNET and on their impact in the management of PitNET affected patients according to the new knowledge, that requires a close clinical collaboration between pathologists, neurosurgeries and endocrinologists.

The meeting is part of the teaching activities of the Master Degree in Diagnosis and Treatment of pituitary disease (2021) - Faculty of Medicine, Università Cattolica del Sacro Cuore, Rome.

DIRECTOR Prof. **ALFREDO PONTECORVI**
Professor of Endocrinology
Fondazione Policlinico Universitario A. Gemelli
Università Cattolica del Sacro Cuore, Rome

SEDE

📍 **Hotel Donna Camilla Savelli** - Via Garibaldi 27, 00153 Roma RM

RESPONSABILE SCIENTIFICO

Prof.ssa Laura De Marinis

Coordinatore Scientifico del Master Universitario di II Livello in diagnosi e terapia delle patologie ipotalamo ipofisarie - Policlinico Universitario A. Gemelli, Roma

PROVIDER E SEGRETERIA ORGANIZZATIVA



Provider Standard accreditato presso la Commissione Nazionale ECM - ID 680

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ISCRIZIONI

Per iscriversi collegarsi al sito www.dotcomeventi.com

Per ragioni organizzative legate all'emergenza sanitaria in atto è obbligatoria la pre-iscrizione

La partecipazione all'evento è gratuita

ATTENZIONE! Sulla base della normativa vigente, per la partecipazione in presenza è necessario un GREEN PASS in corso di validità.

ECM 680 - 333893

Assegnati n. 10 crediti formativi ECM

L'evento rientra nel Piano Formativo ECM anno 2021 della DOTCOM Srl ed è rivolto alle figure professionali di:

- **Medico - Chirurgo:** Anatomia Patologica, Chirurgia Generale, Endocrinologia, Gastroenterologia, Genetica Medica, Malattie Metaboliche e Diabetologia, Medicina Interna, Medicina Nucleare, Neurochirurgia, Neuroradiologia, Oftalmologia, Otorinolaringoiatria, Patologia Clinica (Laboratorio di Analisi Chimico- Cliniche e Microbiologia), Radiodiagnostica, Radioterapia.
- **Infermiere**

OBIETTIVO FORMATIVO

Documentazione clinica. Percorsi clinico-assistenziali diagnostici e riabilitativi, profili di assistenza - profili di cura

Con la sponsorizzazione non condizionante di



PitNETs and aggressive pituitary adenomas are two sides of the same coin?

ROME
25th 26th
November **2021**

Hotel Donna Camilla Savelli
Via Garibaldi 27 Roma

Con il patrocinio di



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore



RESPONSABILE SCIENTIFICO
Laura De Marinis

1st DAY | *Thursday, 25th* November 2021

Fuori accreditamento ECM

PRE-MEETING SESSION

Malattia di Cushing, problematiche diagnostiche e terapeutiche nei Casi Clinici complessi

Coordinatori: **A. Bianchi, S. Chiloiro**

10.00 - 12.30

SESSIONE I: Focus on: problemi diagnostici e terapeutici

Moderatori: **A. Bianchi, F. Doglietto, M. Poggi, A. Scoppola**

Diagnosi neuroradiologica e radiologica interventistica nella Malattia di Cushing - **Andrea Alexandre**

Approccio neurochirurgico nella Malattia di Cushing - **Pier Paolo Mattogno**

La terapia antiosteoporotica nella Sindrome di Cushing - **Anna Maria Formenti**

SESSIONE II: Esperienze a confronto sui casi clinici complessi: problematiche diagnostiche, scelte terapeutiche e terapie innovative

Moderatori: **M. Appetecchia, R. Baldelli, A. Bianchi, P. Gargiulo, A.M. Isidori, M. Poggi, A. Stigliano**

Azienda Ospedaliero Universitaria Sant'Andrea - **Roberta Maggio**

Azienda Ospedaliera San Camillo Forlanini - **Marta Franco**

I.R.C.S.S. Istituti Fisioterapici Ospedalieri - **Marilda Mormando**

Azienda Ospedaliero-Universitaria Policlinico Umberto I - **Valeria Mercuri**

Azienda Ospedaliero-Universitaria Policlinico Umberto I - **Dario De Alcubierre**

Fondazione Policlinico Universitario Agostino Gemelli - **Laura Rossi**

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12.30 Registration

13.30 *Introduction:* **L. De Marinis**

Welcome Speech: **L. Festa, A. Giustina, F. Grimaldi, D. Lauro, A. Lenzi, C. Motta, A. Pontecorvi**

PRESIDENTIALE LECTURE

Chairmen: **A. Lenzi, A. Pontecorvi**

14.00 Pituitary neoplasia nomenclature (Panomen) - **A. Giustina**

I SESSION: New molecular knowledge and acquisitions on PitNETs: an update

Chairman: **M.C. Zatelli**

14.20 Universal nomenclature of neuroendocrine neoplasia: news from the WHO - **G. Rindi**

14.40 How to standardize the diagnostic approach to pituitary neuroendocrine tumours (PitNETs) - **C. Villa**

15.00 Challenging tumor with or without genes - **M. Korbonits**

15.30 Pituitary tumors microenvironment: clinical implications - **G. Raverot**

16.00 Discussion on topics

II SESSION

Chairmen: **G. Arnaldi, E. De Menis, S. Grottoli**

16.30 Precision Medicine: new perspectives for the treatment of GH-secreting tumors
The MISS study - **A. Berton**

16.50 Pituitary proteomics - **D. Milardi**

17.10 Combining temozolomide and radiotherapy in aggressive pituitary tumors? **A. M. Isidori**

17.30 Discussion on topics

18.00 Conclusions

2nd DAY | *Friday, 26th* November 2021

LECTURE

Chairmen: **V. Toscano, P. Zuppi**

08.40 GH replacement therapy in patients treated for PitNET: case series and review of literature
A. Giampietro

LECTURE

Chairmen: **E. Ghigo, P. Maffei**

09.00 Role of pituitary center of excellence - **F. Casanueva**

III SESSION: Round Table

Role of pituitary center of excellence in defining the nomenclature of pituitary neoplasia

Part 1

Chairmen: **M. L. Jaffrain-Rea, G. Mantovani, M. Zollino**

09.30 The point of view of the geneticist - **E. Capoluongo**

09.50 The point of view of the pathologist - **M. Gessi**

10.10 The point of view of the translational medicine expert - **F. Gatto**

10.30 Aggressive pituitary tumors: influence on bone metabolism - **G. Mazziotti**

10.50 Discussion on topics

11.10 **Coffee break**

Part 2

Chairmen: **S. Cannavò, C. Scaroni**

11.30 The point of view of the radiologist - **T. Tartaglione**

11.50 The point of view of the nuclear medicine expert - **C. Caldarella**

12.10 The point of view of the neurosurgeon - **F. Doglietto**

12.30 The point of view of the radiotherapist - **C. Mazzarella, G. Minniti**

12.50 The point of view of the bone metabolism specialist - **S. Frara, A. Spada**

13.10 Discussion on topics

13.30 **Lunch**

IV SESSION: Round Table

Pituitary adenomas Vs PitNETs in the real life: impact on endocrine management

Chairman: **A. Mangiola**

14.30 ACTH secreting adenoma Vs PitNET - **R. Pivonello**

Discussant: **R. Baldelli**

14.50 GH secreting adenoma Vs PitNET - **A. Bianchi**

Discussant: **F. Doglietto**

15.10 Not secreting adenoma Vs PitNET - **F. Dassie**

Discussant: **A. Scoppola**

15.30 Prolactin secreting adenoma Vs PitNET - **S. Chiloiro**

Discussant: **M. Poggi**

15.50 Discussion on topics

16.10 Closing remarks

Giorgio Arnaldi, Fano

Roberto Baldelli, Roma

Rocco Bellantone, Roma

Alessandro Maria Berton, Torino

Antonio Bianchi, Roma

Carmelo Caldarella, Roma

Salvatore Cannavò, Messina

Ettore Domenico Capoluongo, Roma

Felipe Casanueva, Madrid

Sabrina Chiloiro, Roma

Francesca Dassie, Padova

Laura De Marinis, Roma

Ernesto De Menis, Treviso

Francesco Doglietto, Brescia

Lucia Festa, Roma

Stefano Frara, Torino

Federico Gatto, Genova

Marco Gessi, Roma

Ezio Ghigo, Torino

Antonella Giampietro, Roma

Andrea Giustina, Milano

Franco Grimaldi, Udine

Silvia Grottoli, Torino

Andrea Isidori, Roma

Marie Lise Jaffrain - Rea, L'Aquila

Marta Korbonits, Londra

Davide Lauro, Roma

Andrea Lenzi, Roma

Pietro Maffei, Padova

Annunziato Mangiola, Pescara

Giovanna Mantovani, Milano

Ciro Mazzarella, Roma

Gherardo Mazziotti, Mantova

Domenico Milardi, Roma

Giuseppe Minniti, Roma

Cecilia Motta, Roma

Rosario Pivonello, Napoli

Maurizio Poggi, Roma

Alfredo Pontecorvi, Roma

Gerald Raverot, Lione

Guido Rindi, Roma

Carla Scaroni, Padova

Alessandro Scoppola, Roma

Antonio Spada, Roma

Tommaso Tartaglione, Roma

Vincenzo Toscano, Roma

Chiara Maria Villa, Parigi

Maria Chiara Zatelli, Ferrara

Marcella Zollino, Roma

Paolo Zuppi, Roma

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