il futuro dello screening
lo screening del futuro
ferrara, 10-11-12 giugno 2009

Dr.ssa Maria Donatella Beccati, MD
Responsabile Diagnostica Citopatologica
Azienda Ospedaliero-Universitaria S.Anna
Responsabile Programma di Screening Azienda USL Ferrara
Coordinatore GISCI
Gruppo Test di Primo Livello
Welcome to

Professor Harald zur Hausen
Nobel Laureate 2008 for Medicine
Prof. Dr. med. Dr. h.c. mult.
German Cancer Research Center, Heidelberg, Germany

Professor Ethel-Michelle de Villiers
Director, Reference Center for Papillomavirus
Division for the Characterization of Tumorviruses,
German Cancer Research Center, Heidelberg, Germany

Professor Alexander Meisels
CM, Professor Emeritus of Pathology, Université Laval, Dr. h.c. mult. Quebec, Canada

Professor Chris Meijer
Professor of Pathology, Director, VU Medical Center, Amsterdam, The Netherlands
The foundation
The University of Ferrara is one of the oldest in Italy. It was founded in 1391 by Marquis Alberto V d'Este, with permission of Pope Boniface IX.

Distinguished Students
Nicholas Copernicus, who obtained his doctorate in canon law University of Ferrara - recorded on May 31, 1503, and Bombastus Theophrastus von Hohenheim, better known as Paracelsus.
Historical context: Italy

• Slightly over a century ago, in 1907, Professor Giuseppe Ciuffo published his field opening paper demonstrating the transmission of filterable tumour agents (“Innesto positivo con filtrato di Verruca volgare” Giornale Italiano delle Malattie Veneree e della Pelle, vol 48, 12-17).

• The first demonstration of HPV viral particles in preneoplastic lesions of the uterine cervix was given in 1976 by Franco Rilke and his coworkers, working in Milano. Their electron microscopy study was entitled “Viral particles in cervical condylomatous lesions” Tumori, 64, 549-553.
In the year 2000, the University of Ferrara gave the Honoris Causa Laurea in Medicine and Surgery to Professor Alexander Meisels for his 1976 pioneering publication ("Condylomatous lesions of the cervix and vagina. I. Cytologic patterns" Acta Cytologica 20, 505-509). He was the first to identify the cytologic alterations induced by HPV in the cervix and their importance as preneoplastic lesions. The cytological alterations he discovered have become indispensable in Pap test screening.
The first cytologic mass screening in Europe for the early diagnosis of cervical cancer was carried on in the 50ies by Professor Mario Tortora, Professor of Obstetrics and Gynecology at the University of Ferrara. He had studied with G. Papanicolau at the Cornell University in New York and published the results of his work as “Results of mass screening for uterine cancer by vaginal smear in the Province Ferrara, Italy” Arch Ostet Ginecol 70, 1-9, 1965.
Prof. Mario Tortora

Courtesy of Professor Lucio Palombini, University of Napoli
La Scuola del Professor Mario Tortora

Dr.ssa Silvana Immovilli
Prof.ssa Cecilia Mastrangelo
Mrs Vivo Azzena
Mrs Linda Rainaldi
Prof. Raffaele Nappi
Prof. Luigi Tagliani
Prof. Fortunato Vesce
prevention of cancer of the uterus and breast

Department of Obstetrics and Gynaecology of the University, Arcispedale S. Anna - Ferrara
Centre for the prevention of gynaecological and breast tumours.
Director: Prof. MARIO TORTORA

prevention of cancer of the uterus and breast

From the film of the same title, made in the Department of Obstetrics and Gynaecology of the University of Ferrara

Scientific script:
Prof. MARIO TORTORA
Prof. RAFFAELE NAPPI
Dr. LUIGI TAGLIANI

Director and Producer:
MARIO SCOLARI

CENTRE OF CINEMATOGRAPHY CARLO ERBA 1970

Courtesy of Dr. Silvana Immovilli, Diagnostica Citopatologica, Ferrara
Many thanks to Dr. Maria Grazia Dalla Ca’

Courtesy of Professor Luigi Nappi, University of Foggia, and Professor Pasquale Nappi, University of Ferrara.
XAVIER BICHAT
1771-1802

LES ENTRETIENS DE BICHAT
FONDÉS EN
1947
M. TORTORA

ATTIVITÀ DEL CENTRO
PER LA PREVENZIONE DEI TUMORI
GINECOLOGICI E DELLA MAMMELLA
(1962 - 1973)

Distribuzione per gruppi di età delle displasie, ca. in situ e ca. invasivi
(Ottobre 1962 - Dicembre 1973)

Figura 6

Courtesy of Dr. Silvana Immovilli, Diagnostic Cytopathology, Ferrara
Ferrara province, age-specific incidence

CIN 2  CIN 3 - Ca in situ  Ca sq. invasivi

Rates x 100,000

2001-2005

Courtesy of Prof. Stefano Ferretti, Director Center of Tumour Registry, University of Ferrara
Dottor Orazio Buriani

Direttore Dipartimento Sanità Pubblica

Responsabile Programmi di Screening in Oncologia

Azienda Unità Sanitaria Locale Ferrara