

AMWC 2009 - ANTI-AGING MEDICINE WORLD CONGRESS
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PREVENTION IN CANCER

ORTHOMOLECULAR AND GENE-REPAIRING
DR. NIEPER'S THERAPY.

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DR. NIEPER

- **CARDIOVASCULAR DISEASE**
- **CANCER**
- **MULTIPLE SCEROSIS**



CANCER INCIDENCE

- CANCER hit **on the world** about 9 million people every year.
- **In Italy** are hit about 300.000 people
- The cancer hits every age, but is more frequent with proceeding of age



CANCER EVOLUTION

- Cancer is a complex multisteps process and requires a lot of cause and stage.
- **INSIDE** and **OUTSIDE** Factors act before damages has been clinically diagnosed.
- Those Factors acting sequentially or simultaneously
- It is called **CARCINOGEN** the agent (chemical, physical, hormonal, environmental, pharmacological) that is able to modify a normal cell into cancer cell.
- Phases of change: **Initiation** (quick passage without return- damage on DNA)-**Promotion** (slow process, repeative, reversible and influenced of environment. **Progression**(cancer cells acquire biological characters of invasion,metastases, immortality.



CANCER EVOLUTION

- The final result is **precancerous lesion** (hyperplasia, dysplasia).
- They are circumscribed lesions, they rise also 10-15 year before the cancer (es. polyp of colon)
- The destiny is influenced from environmental factors.
They can spontaneously **to regress, to stay stationary** for long times
- The dramatic event is a **malignant evolution**



CAUSES of CANCER REPLICATION

- INCREASE CELLULAR PERMEABILITY
- INCREASE FACTORS OF RECEPTOR EXPRESSION
- CHANGE ENZYME/GENES REGULATORS
(p53,p21,MDM2)
- **IMMUNE SYSTEM SUPPRESSION**
 - DIRECT (TO CANCER CELLS)
 - INDIRECT (TO FREE RADICALS)
 - INCREASE IL10 WITH REDUCTION T CELL HELPER



IMMUNE SYSTEM

- Lack of foreign cell antigen
- Weak immune reply (difact amount)
- Blocked serum factors produced to cancer
- Spontaneous cancers are antigen devoid

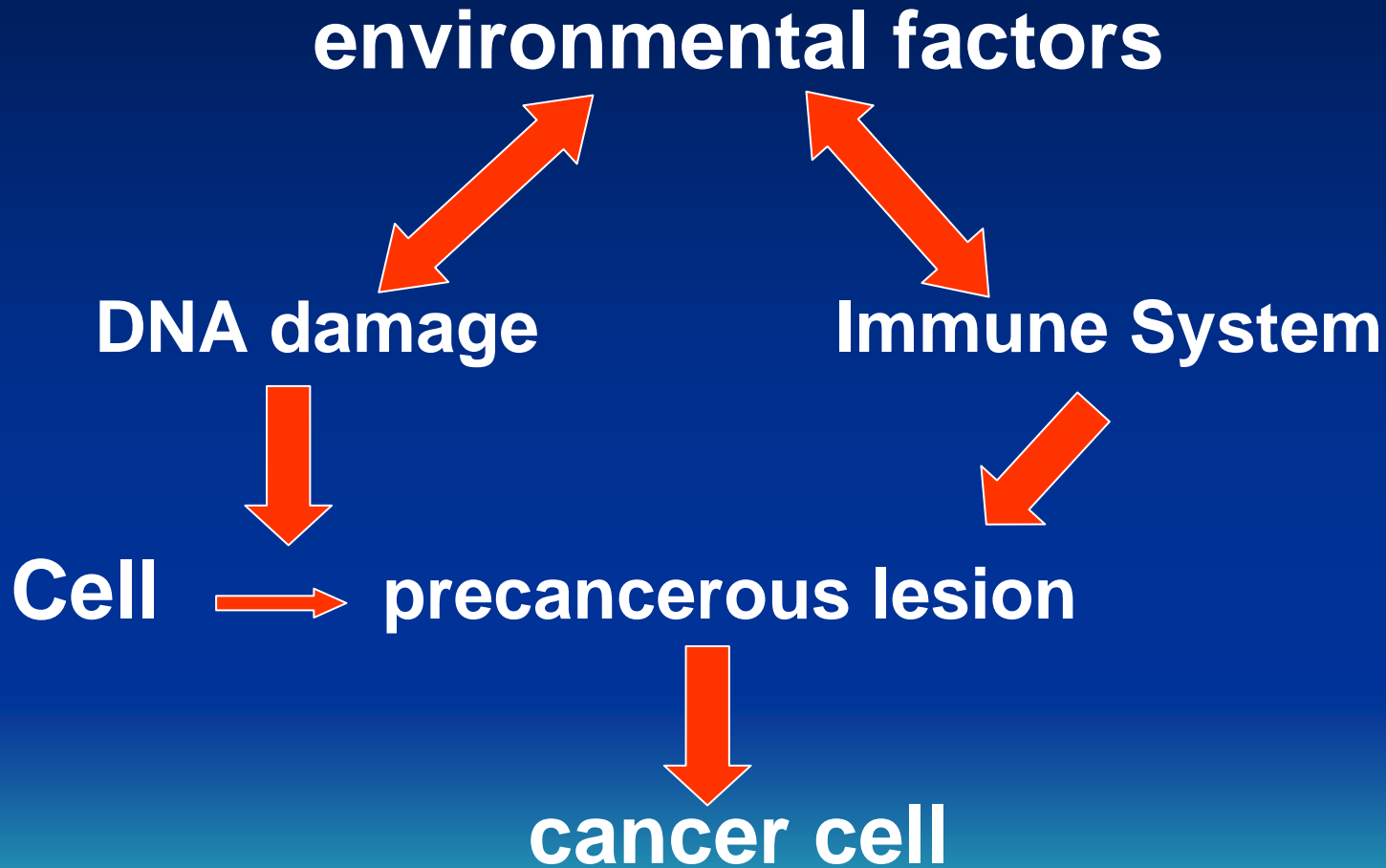


VIRUS

- HPV (16,18,31,33,45,53)
- HSV
- CMV
- EBV



NEOPLASTIC CHANGE



Cancer therapy objectives

- To active body's process defence
- To reduce cancer cells



Orthodox chemotherapy: chemical substances synthesized on laboratory

- Extract of plants (taxanes)
- Products of bacteria or fungus (anthracyclins)
- Alkylating substances (nitrosourea)
- Compounds of minerals (platinum)
- Hormones



ORTHOMOLECULAR THERAPY

- Natural substances not toxics that work to balance body chemistry , with low stress impact on patient and our immune system
- Natural substances that need months or years end up illness without side effect to chemotherapies agents .



Gene-repairing substances

- Acetaldehyde
- Benzaldehyde
- Didrovaltrate
- Extracts of Carnivorous plant
- Iridodials
- Oncostatins, plombagine
- Squalen
- Tumusterons



Aldehyds

Acetaldehyd, Benzaldehyd, Iridodyal

- Donors mono or di-aldehyds
- Re-differentiation genetic
- Block and arrest tumor growth
- Enhancing immune system



Carnivorous Plant Extracts

- Enzymes (endo peptidase e nuclease, plombagina, droseron, idrossidroseron)
- Eliminate injured or cancer cells
- Efficient on viruses infected cells or injured to radiations
- Destroy the nuclei acids



Squalene (Shark liver oil)

- Triterpenoid enzyme (shark extract liver oil)
- Increase carcinogen-blocking hormone (DHEA)
- Reduces growth blood vessels
- Enhancing antiviral resistance



Tumosterons

- Steroids weak, produced to Timosteryn
- made to activated linfocytes (NK)
- Go into cancer cells and block replication
- Repaire or inactive gens
- Block cellular growth from lipids
- Actived from timic factors (timosin) and Squalene, Vit. C, Vit. D2, prednison



Beta-carotene

- Antioxidant, reduction free radicals
- Activation gh. Thymic
- Activation linfocyts (T Helper)
- Block T suppressor



DHEA

- Steroid product to gh. adrenal
- Hight concentration in the blood
- Inhibit G6PDH
- Prevent cancerization for oncogens virus
- Antioxidant, reduce free radicals
- Blocking genetic action from: tobacco, UV, radiations, heavy metals, alcool, fats



DECREASE OF CANCER INCIDENCE

- To decrease carcinogens exposition.
(primary prevention)
- To discover genetics damages and precancerous lesion.
(secondary prevention)



PREVENTION

- To use natural agents, medicines, foods and supplements to prevent illness (named also chemoprophylaxis)
- Is better to call of “risk reduction” instead “prevention” in respect of cancer
- “Protection” is done with substances that to reduce the risk of cancer



PROTECTIVE AGENTS

- **ANTIOXIDANTS**
 - BETA-CAROTENE
 - ALFA-TOCOFEROLS
 - N. ACETIL CISTEINA
- **ANTI-INFLAMMATORY** (BLOCK OF COX-2)
 - NIMESULIDE
 - PIROXICAN



PROTECTIVE AGENTS

- VIT. **A** - CELLULAR DIFFERENTIATION
 - TO EXITE IMMUNE SYSTEM
 - INHIBITION CELLS TRASFORMATION
 - INHIBITION CANCER PROMOTION
 - INDUCTION APOPTOSIS (DEATH CELL)

- VIT. **E** - CELLULAR DIFFERENTIATION
 - INHIBITION CANCER GROWTH
 - INDUCTION APOPTOSIS (DEATH CELL)



PROTECTIVE AGENTS

- **BETA-CAROTENE** - REMISSION OF PRENEOP.
LES.
- TO EXITE IMMUNE SYSTEM
- **INOSITOL** - REGULATION P53 E WAF1
- ACTIVITY OF T. NAT. KILLER
- **N.A.CISTEINA** - RESTORE TO P53
- RIDUCTION ANGIOGENESIS

SECONDARY PREVENTION

- To use rich foods on protective elements
- BETA-CAROTENE (coloured vegetables)
- VIT. C; VIT.E; VIT. A (fresch or dried fruit)
- CO-Enzyme Q10, OMEGA-3 (fish, soie)
- N.A.C. (dried fruit)
- INOSITOL (legumes, soie)
- MINERALS (dried fruit, fish, soie)



Cases 1998-2003

540 patients

only cancer

164

(30%)

one/more mts

376

(70%)

The study valued time to progression (8-12-24 months) and wellness to **complementary therapy (Nieper's therapy)**



Cases 1998-2003

164 patients

(no mts at the beginning of the study)

Treated with complementary therapy with or
without chemotherapy

All patients are alive and illnees free



Cases 1998-2003

376 patients

(with more mts at beginning study)

8-12 (month) 13-24 (month) > 25 (month)

79 (15%) **154** (45%) **143** (36%)

55 (15%) are today alive



Cases 1998-2003

All patients submitted to complementary therapy:

- Improvement of wellness
- Decrease side effects (nausea, sick, bone pains)
- Reduction blood stimulating
- Only 5% delay to chemotherapy



Conclusions

- **Complementary therapy** increase compliance with reduction side effects
- **Complementary therapy** is good for prevention and protection for release
- **Complementary therapy** increase expected lifetime



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Good-bye from ROME