

LONG TERM SURVIVAL (%)		
	<u>1970</u>	<u> 2005</u>
Leukaemia in children	0	80
 Leukaemia in adults 	0	45
Bone cancer	5	60
Advanced testis cancer	0	95
Breast cancer	40	85
Non-small cell lung cancer	0	20
Colon cancer	30	60
 Hodgkin's disease 	10	85
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Brief History of Cancer

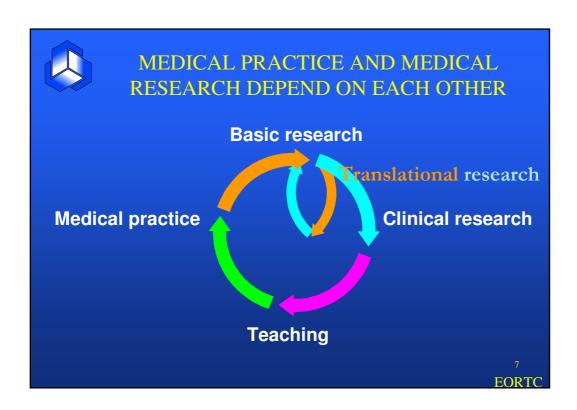
- Cancer has replaced heart disease as the leading cause of deaths for people under 85 years of age
- Continued emphasis on prevention, early detection and improved treatment strategies
- People are living longer and better after diagnosis -- New emphasis on quality of life and long-term cancer survivorship issues (chronic disease model)
- Research has helped to improve cure rates, earlier diagnosis, quality of life and find less toxic treatments for many types of cancer

Importance of Cancer Research

- Management of cancer improves by small (but important) steps - only through high quality clinical trials can we improve outcome
- Several studies have shown that patients treated on clinical trials have better outcome:
 - 26 comparisons of outcome of cancer patients enrolled and not enrolled in clinical trials (Peppercorn J, Lancet 2004): suggested that trial patients did better. No studies recorded worse outcome in trial-enrolled patients than in non-trial patients

Clinical Trials: One Key to New Discoveries

- Phase I: what is best way to give a treatment and what should the dosage be?
- Phase II: does the new treatment have a positive effect against a specific type of cancer?
- Phase III: How does the new treatment compare with the best existing treatment?
- > Regulatory (EMEA, FDA) Approval
- > Introduction in routine medical practice





Clinical Research is Essential To:

- Translate new discoveries into clinical practice
- Define state-of-the-art treatment
- Identify ineffective and/or redundant treatments
- Guarantee best medical practice

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Advantages and Importance of Large Scale Multi-National Trials

- In common and devastating malignancies where even a small improvement in survival will have a major impact on public health
- In rare tumors where multinational effort is necessary to reach required sample size
- Discourage national/small sized trials that are inconclusive, unethical and concomitantly conducted in several countries

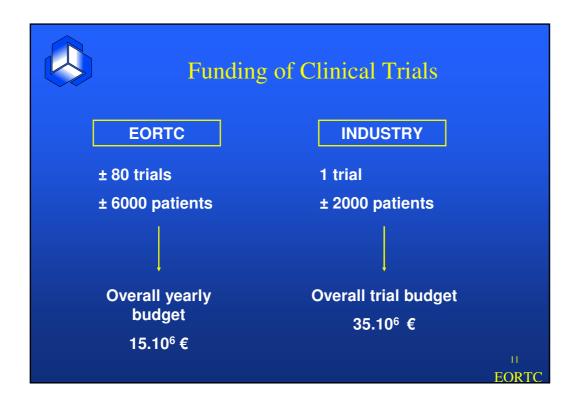
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The Importance of Aacademic Cancer Clinical Research

- Independent objective evaluation
- Focusing on clinically important questions
- Performing all types of cancer clinical trials: screening, prevention, diagnostic, quality of life, not only treatment trials
- Large scale trials, needed to change practice and establish stateof-the-art treatment
- Multidisciplinary strategies in oncology
- To test new concepts and develop new strategies that are:
 - Part of a strategy to improve patient care
 - May not be to the direct / immediate benefit of the pharmaceutical industry
- Tissue banking

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Why Collaboration in Academic International Clinical Trials is Important for Small or Less Develop Countries?

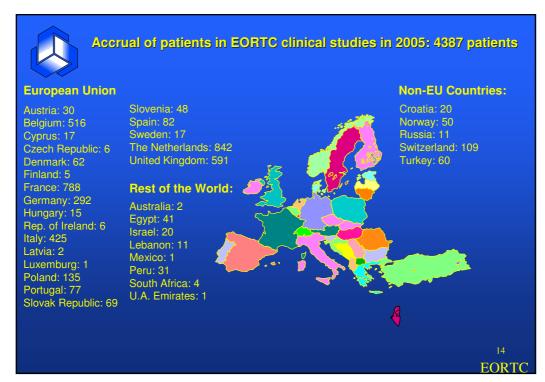
- For patients: Access to the highest quality of care
- For health professionals: training, discipline, improving overall quality of work
- Improving national cancer care
- Improving the quality of scientific research



European Organization for Research and Treatment of Cancer (EORTC)

- Private and not for profit organization
- Main mission: promote and conduct research to improve cancer care
 - Core activity: conduct clinical trials
 - ◆ International
 - ◆ Multidisciplinary
 - ◆ Develop new treatment strategies
 - ◆ Define new standards of care
 - Large academic trials

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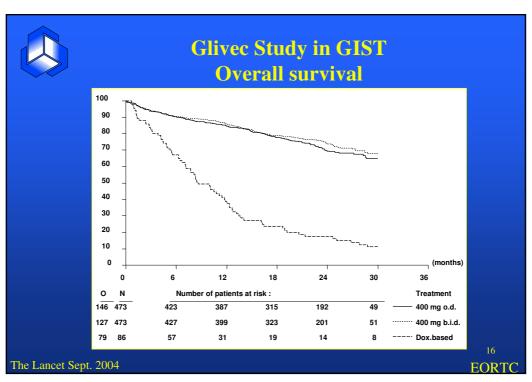


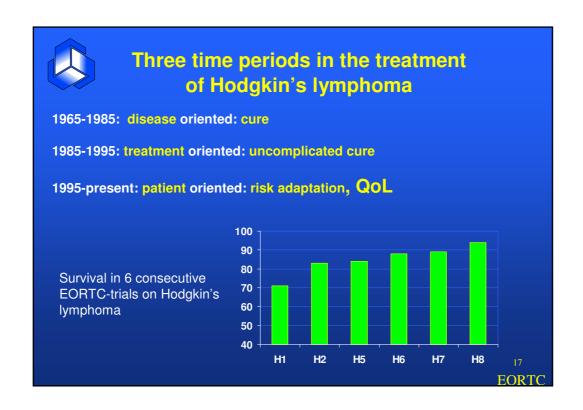


EORTC Achievements

- Through the conduct of large scale randomized phase 3 trials and meta-analyses, EORTC studies have had a major impact on establishing new standards of patient
- These results benefit not only in patients in Europe, but also patients worldwide.
- Recent examples of major EORTC trials leading to change practice

 Head & Neck cancer
 Concomitant cisplatin and radiotherapy post surgery New England Journal of Medicine, May 2004
 - Glioblastoma Temozolomide with radiotherapy as adjuvant treatment ASCO, Plenary Session 2004
 - Role of Glivec The Lancet, September 2004









Challenges for Future Academic Clinical Research in Europe

- Heavy procedures in Europe to activate clinical trials
- High regulatory burden
- Increased costs by 85% 120%
- Varying national implementation of the EU Directive 2001/20/EC
- Increased difficulties to organize trials with new EU territories

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- To promote multinational clinical trials in Europe
- To harmonise clinical trials procedures
- To reinforce patients protection

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Challanges for Cancer Clinical Research in Europe

- Need to update and harmonize rules for clinical trials in Europe
- 2 types of clinical trials
 - drug development
 - therapeutic strategies: multidisciplinary approach
- To promote independence of investigators by increasing funding for strategy trials which will protect the academic research and clinical sciencece as well as the patients

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LOOKING TOWARDS THE 21ST CENTURY

- Cost containment is a major threat in restructuring oncology practice
- Less than 5% of cancer patients benefit from clinical trials because of lack of access to the trials methodologies in most hospitals
- Need to redefine the physician-patient dialogue in this information age.

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