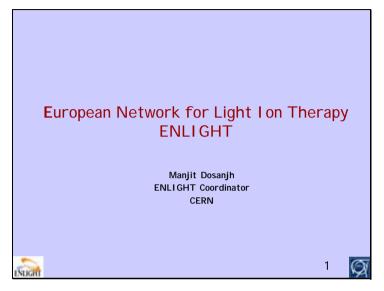
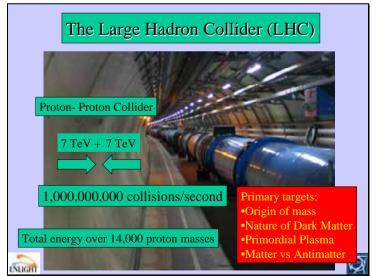
European Network for Light Ion Therapy - M. Dosanjh

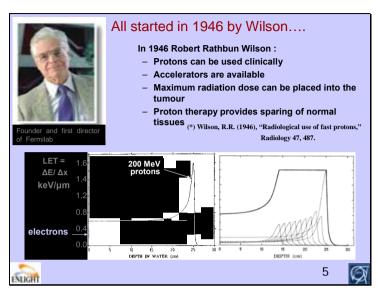




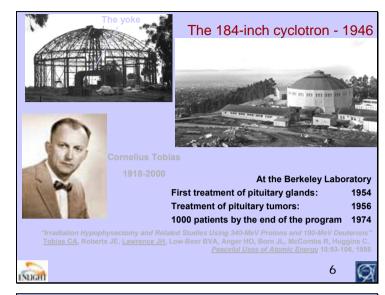












Radiotherapy in the 21st Century

- RT is, nowadays, the least expensive cancer treatment method
- · There is no substitute for RT in the near future
- The rate of patients treated with RT will likely increase in the years to come

Present Limitation of RT: 30% of patients still fail locally after curative RT

(Acta Oncol, Suppl:6-7, 1996)



8 8





Numbers of potential patients From studies in Austria, France, Germany and Italy X-ray therapy

every 10 million inhabitants 20,000 pts/year ...

Proton therapy

12% of X-ray patients 2,400 pts/year

Therapy with Carbon ions for radio-resistant tumour

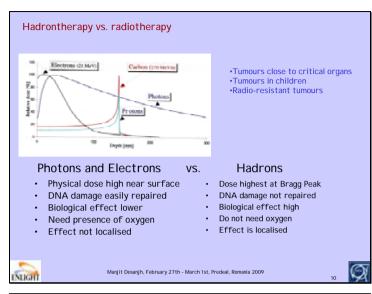
3% of X-ray patients 600 pts/year

TOTAL for hadron therapy for 10 M 3,000 pts/year



Manjit Dosanjh, 27 February-1 March 2009, Predeal, Romania





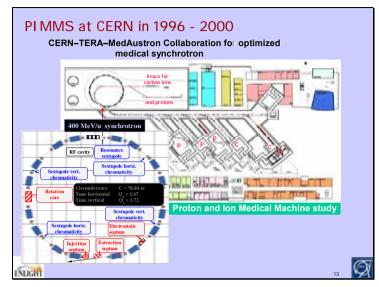
The PIMMS Collaboration

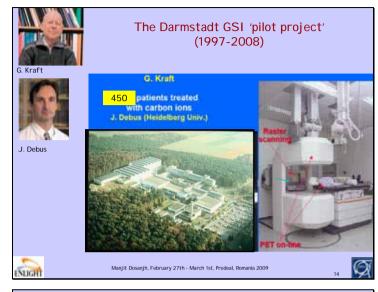


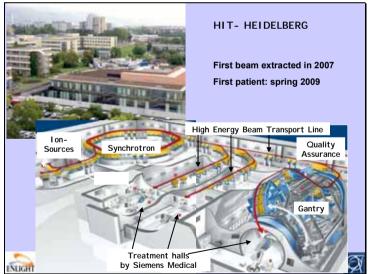
- Collaboration was formed in 1996 following an agreement between Med-AUSTRON (A) and TERA (I)
- CERN agreed to host and support the study in PS-Division
- The study was later joined by ONKOLOGY 2000 (CZ)
- Close contacts were kept with GSI (D)
- Work started in January 1996 and continued for 4 years.
- Final report is now available (CD ROM; CERN Yellow Report)





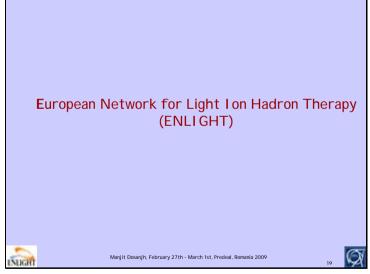


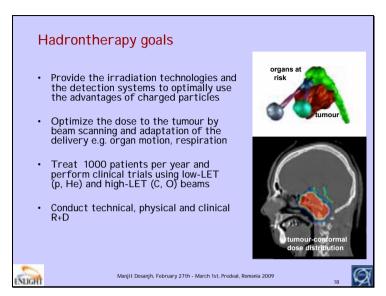


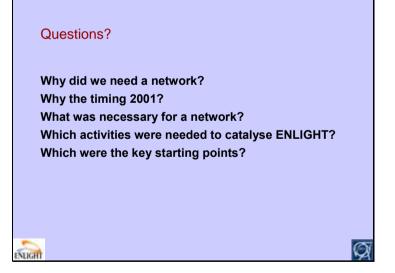


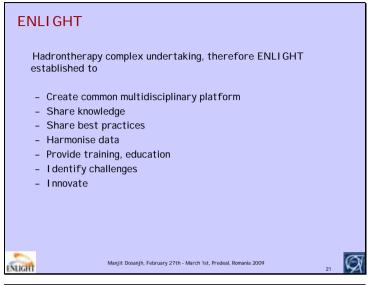


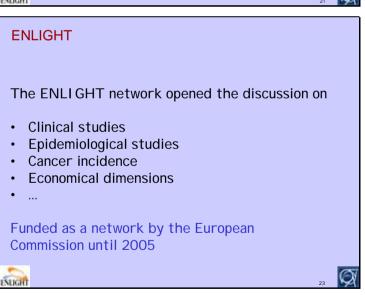












ENLIGHT

The ENLIGHT network opened the discussion on

- Clinical studies
- · Epidemiological studies
- Cancer incidence
- · Economical dimensions
- ٠ ...

Funded as a network by the European Commission until 2005





ENLIGHT

- ENLIGHT provides a powerful multidisciplinary European collaboration amongst partners interested in hadrontherapy
- ENLIGHT acts as a platform for defining research needs
- Developing projects and securing funding and collaboration
- ENLIGHT is a useful resource for communities interested in hadron therapy



Manjit Dosanjh, February 27th - March 1st, Predeal, Romania 2009











