



**PTCS**

Proton Therapy Center Switzerland AG

### 3 What are the advantages of proton radiation therapy?

Thanks to dose saving in healthy tissue, which is possible with proton therapy, the short and long term side effects of radiation therapy are definitely reduced. This aspect is of fundamental significance particularly when using radiation therapy for children. Paediatric radiation therapy therefore definitely represents an indication for proton therapy. Thanks to increased dose concentration on the tumour whilst at the same time protecting the surrounding tissue, radiation therapy with protons shows significantly better tumour control according to most expert opinions. The first studies on this topic are now available in peer reviewed journals. The results have led to a strong increase in enquiries about this form of treatment in all industrialized countries. Various manufacturers are already offering turnkey proton therapy facilities for clinical use.