

# 3D Brachytherapy

## 三維 (3D) 近接療法



Brachytherapy is a special form of radiotherapy. 3D (Three dimensional) brachytherapy means the calculation is based on three dimensional data.



Elekta Flexitron®

### Radiotherapy can be external or internal

External radiotherapy, or teletherapy, is delivered by Linear Accelerator (or the likes) to the tumor from a distance. The advantage is high penetrating power.

Internal radiotherapy is also called brachytherapy, radiotherapy delivered from an extremely short distance. The radioactive source is applied at the surface or inside the tumor. The advantage is a very high dose of radiation given to the tumor, at the same time the neighbouring normal organs receive a very small dose. Brachytherapy works only at a very small distance.

A cheerful heart is good medicine

*Proverbs 17:22a*

Our 3D brachytherapy is enhanced by imaging using MRI (Magnetic Resonance Imaging) to assure optimal position of the radiation applicators. The MRI (and CT scan) data is used to calculate precisely dose distribution, to maximize the tumor dose and minimize normal organ dose.

3D brachytherapy is usually part of a treatment programme combining chemotherapy and teletherapy. Most applications are in gynaecological cancers but the scope is widening.

The application and treatment arrangement for 3D Brachytherapy vary subject to different treatment objectives, types and stages of cancer, as well as patient conditions. Patients are advised to discuss with their doctors for details.

Note: For referral cases, please contact the Charles Cheng Oncology Centre for more information.

### Consultation Session

Monday to Friday 9am to 5pm

Saturday 9am to 1pm

Closed on Sunday and Public Holidays



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