

The Role of Radiotherapy: A Multidisciplinary Approach

Alina Sturdza

“Thanks to
radiotherapy
I had a **fair**
chance
against
cancer”

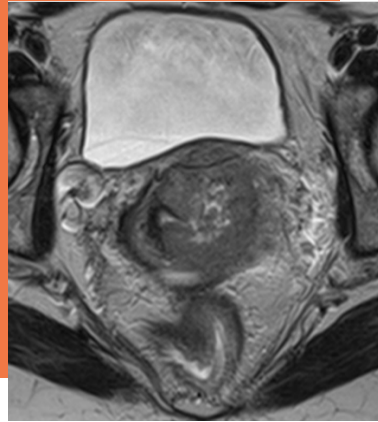
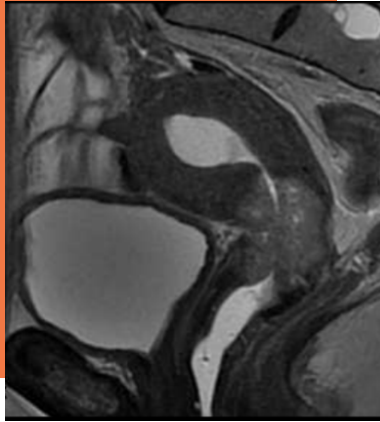


Together in the Fight against Cervical Cancer

Friday, 7 February 2020
Vienna International Centre

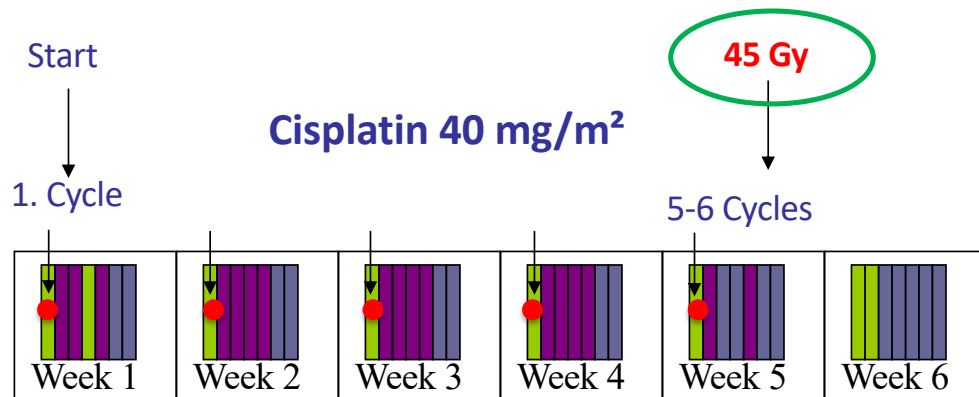


45 y.o. woman consults her gynecologist for inter-menstruation bleeding and vaginal discharge (leucorrhoea)

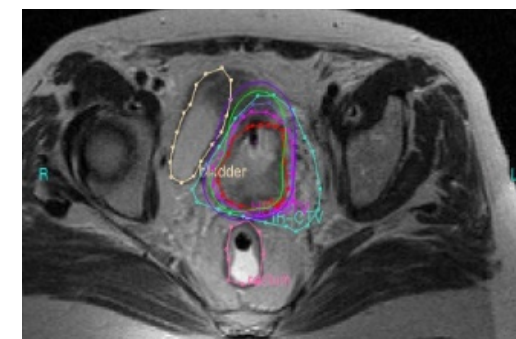
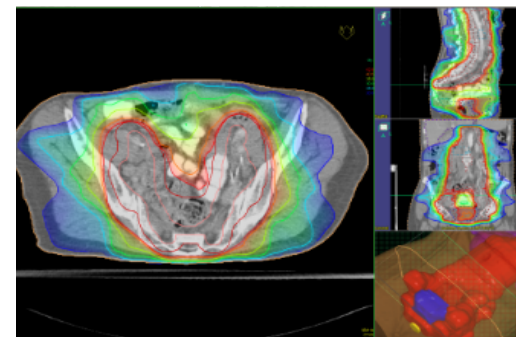
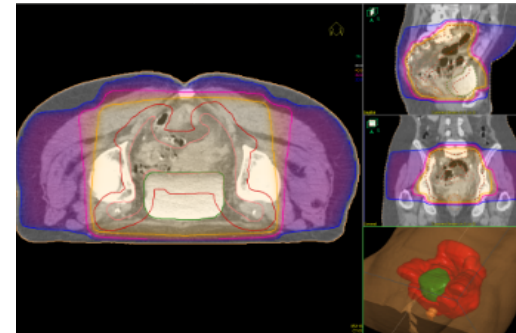
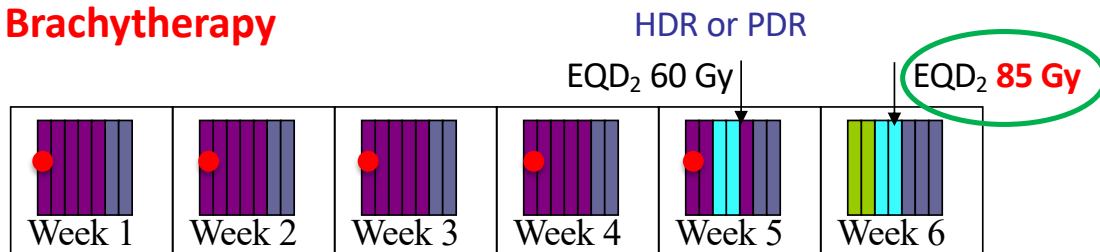


Her treatment: Primary radiochemotherapy

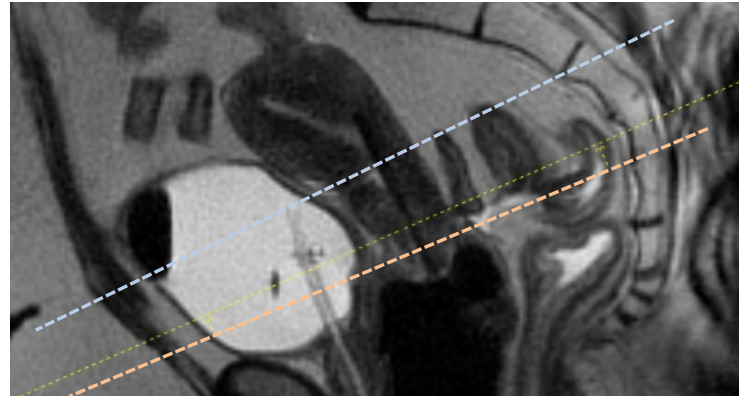
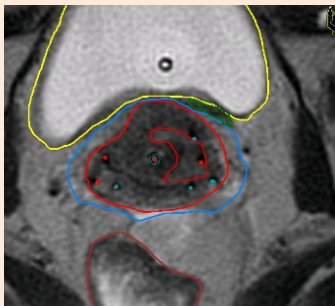
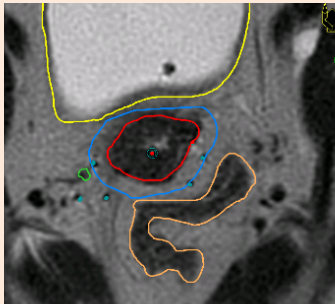
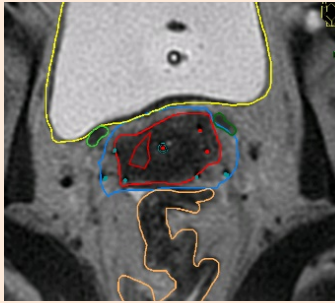
External beam radiotherapy and concurrent chemotherapy



Brachytherapy

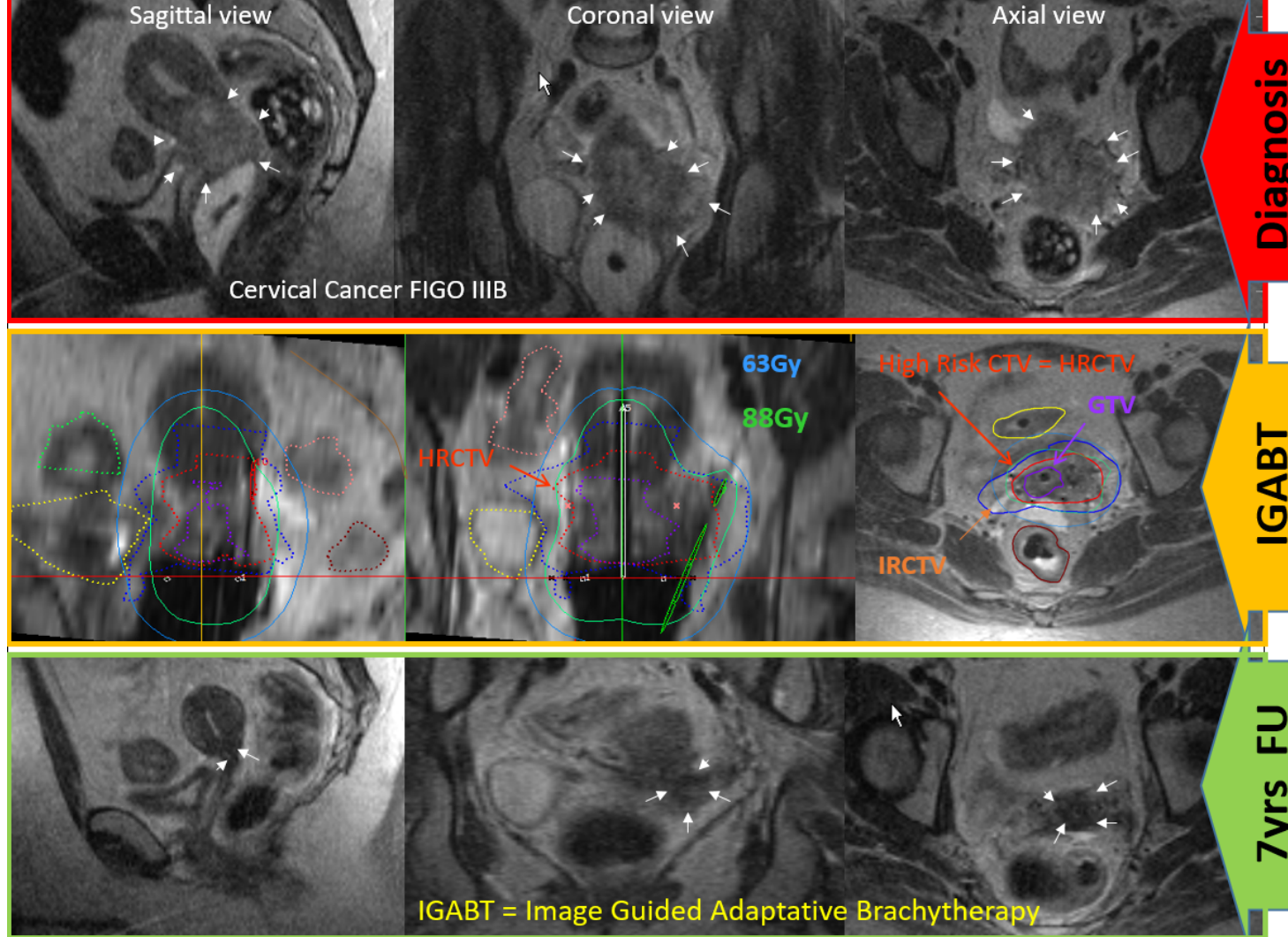


Brachytherapy = Internal radiation

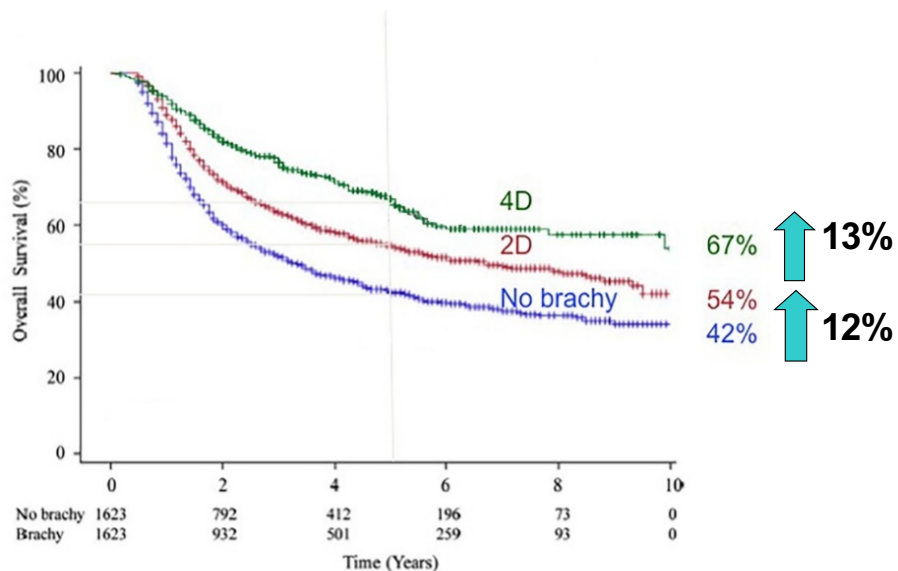


**Individualised Treatment shaped
to the tumour at the highest
precision**

**Very efficient
in making
tumours
disappear**



Overall Survival benefit in locally advanced cervical cancer



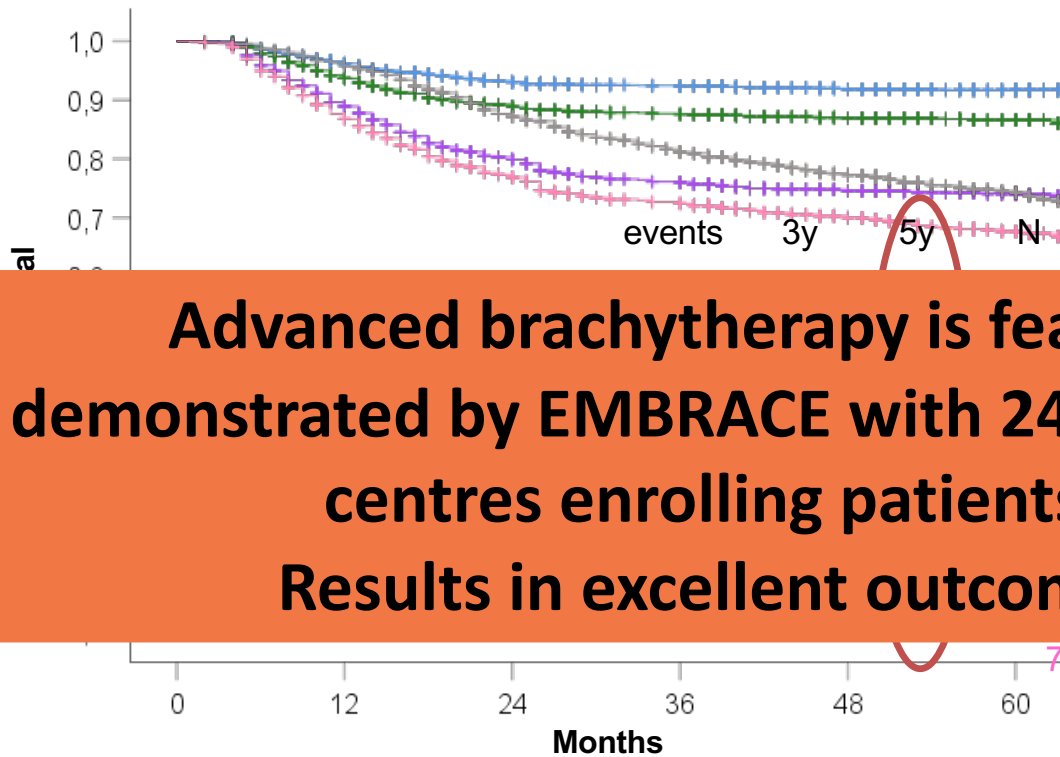
Brachytherapy is an essential component of the treatment, and often neglected in planning radiotherapy services



Total: **25% increase** in Overall Survival from „no brachy“ to „2D brachy“ (Han) to „3D/4D brachy“ (RetroEMBRACE)

Han et al Int J Radiation Oncol Biol Phys 2013;87:111-119 Sturdza et al. Improved local control and survival in LACC through 3D/4D BT R&O 2016

Local, pelvic and disease control, overall disease and disease free survival



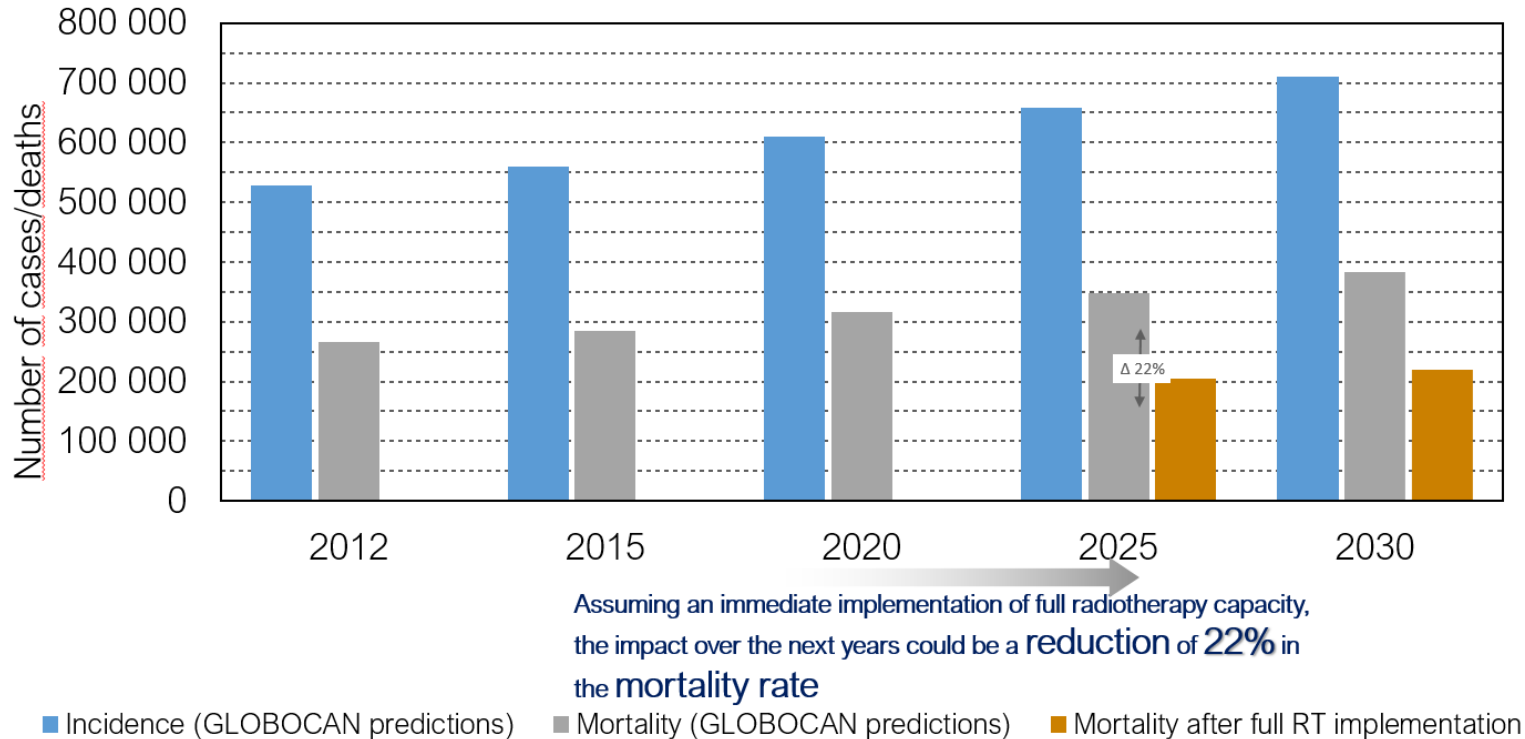
**Advanced brachytherapy is feasible,
as demonstrated by EMBRACE with 24 international
centres enrolling patients
Results in excellent outcome**

	0	12	24	36	48	60
LC	1318	1147	963	853	713	547
PC	1318	1147	963	853	713	547
DC	1318	1147	963	853	713	547
OS	1337	1152	967	856	715	549
DFS	1337	1275	1114	987	823	659



Courtesy R. Pötter, 2020

Radiotherapy is cost-effective



The IAEA is working in the Health Economics of radiotherapy for cervical cancer with specific research projects

UNIVERSITÄTSKLINIK FÜR RADIOONKOLOGIE





Together we are stronger!

Together in the Fight against Cervical Cancer



World
Cancer
Day