



**ESTRO TEACHING COURSE ON
"MODERN Madrid, Spain
21-25 March 2010**

PROGRAMME

EVL E. Van Limbergen
BP Bradley Pieters
CHM Christine Haie-Meder
DP Didier Peiffert
JV Jack Venselaar
PH Peter Hoskin

Course director:

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DAY 1 – Sunday 21 March

Chairperson: P.Hoskin

09h00 Welcome and Introduction to Brachytherapy (BT) EVL

10h00 Sources and afterloaders used in BT JV

→ **10h40 Coffee break**

11h00 Clinical Radiobiology of LDR, HDR BT EVL

12h00 Brachytherapy techniques in miscellaneous disease DP

→ **12h30 Lunch**

Chairperson: D.Peiffert

13h30 Physics and Dose Calculation in BT JV

14h15 Interstitial BT The Paris System and Dose recording and reporting
in Interstitial Brachytherapy (ICRU report 58) CHM

15 h00 Image guided brachytherapy BP

→ **15h30** **Coffee Break**

16h00 -18h00 **Interactive discussions**
Physics one group: Dose Calculation, TG-43 JV
Clinicians / physicians 2 groups: CHM- BP
Radiobiology calculations; practical examples for interstitial Brachytherapy. DP – PH-EVL

→ **right after the last session:** **Welcome drink**

DAY 2 – Monday 22 March

Chairperson: J.Venselaar

08h30 Breast EVL
09h30 Radiobiological factors influencing Outcome
in Breast Brachytherapy PH

→ **10h** **Coffee break**

10h30 Optimisation of Interstitial Treatment Plans JV
11h15 PDR Radiobiology BP
11h45 Paediatrics CHM

12h30 **Lunch**

Chairperson : P.Hoskin

13h30 Techniques in Lip, Oral Cavity and Oropharynx CHM
14h30 Radiobiological factors influencing outcome
In Head & Neck Brachytherapy DP

15h00-16h00 **Interactive discussions**
Physics one group : Quality Assurance JV
Clinicians / physicians: 2 groups EVL-CHM

11h30	Results and complications of 3 D BT for cervix cancer	PH
12h05	LDR,MDR, PDR, HDR equivalencies the EQD2 concept	EVL

→ **12h30** **Lunch**

Chairperson : D.Peiffert

13h30	Endometrium postop BT	PH
14h15	Endometrium Definitive BT	PH
14h45	Interstitial BT for vagina and Cervixca	CHM

→ **15h30** **Coffee Break**

16h00-18h00	Interactive discussions <i>Physics one group: Miscellaneous</i> <i>Clinicians / physicians 2 groups</i> Practical examples: Cervix + Endometrium	JV CHM- BP DP-PH- EVL
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DAY 5 – Thursday 25 March

08h30	Satellite lecture Industry	Nucletron
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Chairperson C. Haie-Meder

09h00	Physics and Clinical aspects and recommendations for dose reporting in endoluminal brachytherapy	BP
10h00	Bronchus	DP

→ **10h30** **Coffee break**

11h00	Oesophagus	BP
11h 30	Radioprotection	JV
12h00	Examination	All participants
12h30	End of the course, final remarks and diplomas	All teachers