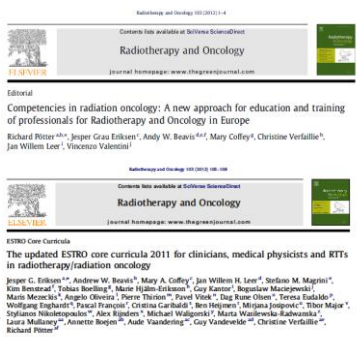
PUBLICATION OF THE UPDATED CC



Radiotherapy and Oncology

journal homepage: www.thegreenjournal.com

Editorial

Competencies in radiation oncology: A new approach for education and training of professionals for Radiotherapy and Oncology in Europe

Richard Pötter, Jesper Grau Eriksen, Andy W. Beavis, Mary Coffey, Christine Verfaillie, Jan Willem Leer, Vincenzo Valentini

Radiotherapy and Oncology

journal homepage: www.thegreenjournal.com

ESTRO Core Curricula

The updated ESTRO core curricula 2011 for clinicians, medical physicists and RTTs in radiotherapy/radiation oncology

Jesper G. Eriksen, Andrew W. Beavis, Mary A. Coffey, Jan Willem H. Leer, Stefano M. Magrini, Kim Renstrøm, Tobias Boelling, Marie Hjälm-Eriksson, Guy Kantor, Bogusław Maciejewski, Maris Mezeckis, Angelo Oliveira, Pierre Thirion, Pavel Vitek, Dag Rune Olsen, Teresa Eudaldo, Wolfgang Enghardt, Pascal François, Cristina Garibaldi, Ben Heijmen, Mirjana Josipovic, Tibor Major, Stylianos Nikoletopoulos, Alex Rijnders, Michael Waligorski, Marta Wasilewska-Radwanska, Laura Mullaney, Annette Boejen, Aude Vaandering, Guy Vandevelde, Christine Verfaillie, Richard Pötter

ESTRO School

'Adaptive RT': How it all started

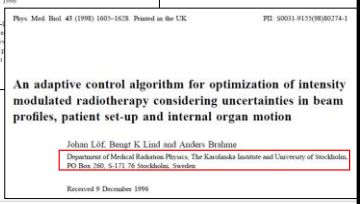
Phys. Med. Biol. 42 (1997) 123–132. Printed in the UK

Adaptive radiation therapy

Di Yan†, Frank Vicini, John Wong and Alvaro Martinez

Department of Radiation Oncology, William Beaumont Hospital, Royal Oak, MI 48073, USA

Received 11 August 1995, in final form 29 August 1996



Phys. Med. Biol. 43 (1998) 1603–1628. Printed in the UK

An adaptive control algorithm for optimization of intensity modulated radiotherapy considering uncertainties in beam profiles, patient set-up and internal organ motion

Johan Löf, Bengt K Lind and Anders Brahme

Department of Medical Radiation Physics, The Karolinska Institute and University of Stockholm, PO Box 260, S-171 76 Stockholm, Sweden

Received 9 December 1996

…and follow-up papers

-2-

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Publication of the updated CC:
ACCEPTABLE
Reason: quote of the Title and Authors of the article only and source mentioned

Adaptive RT:
ACCEPTABLE
Reason: quote of text is limited; authors and source are mentioned

Local Therapy and Survival in Breast Cancer

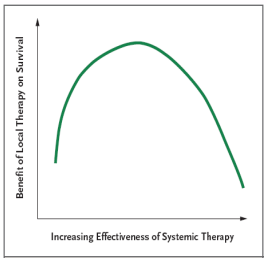
Reductions in LRR with systemic therapy are reported in studies with and those without RT, but the magnitude of the reduction appears to be **greater with the combination** of systemic therapy and RT than with systemic therapy alone.

The survival benefits of achieving local control documented in the EBCTCG meta-analysis are of similar magnitude or greater than those accepted by patients for systemic therapy, yet they **received considerably less attention.**

Punglia R.S. et al., NEJM 2007;356:2399-2405.

ESTRO School

Local Therapy and Survival in Breast Cancer

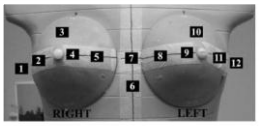


Punglia R.S. et al., NEJM 2007;356:2399-2405.

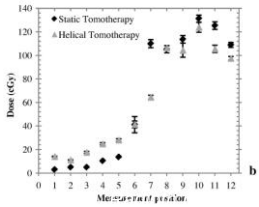
ESTRO School

Local Therapy and Survival in Breast Cancer:
ACCEPTABLE
Reason: quote of text is limited and only one table included; authors and source are mentioned

Normal tissue dose and second risk due to megavoltage fan-beam CT, static tomotherapy and helical tomotherapy in breast RT



a



b

Skin measurement locations in the breast region.

Skin dose measured from a single static and helical tomotherapy treatment fraction

Quin A. et al, Radioth Oncology (2013) in press

ESTRO School

Normal tissue dose and second risk due to megavoltage fan-beam CT, static tomotherapy and helical tomotherapy in breast RT

Second cancer risk

The following includes further details on how the BEIR VII lifetime attributable risk (LAR) [1] was calculated for this study.

$$LAR(D,e,a) = \sum^{85} M(D,e,a)\frac{S(a)}{S(e)}$$

where e is the age at exposure, a is attained age, for lung $M(D,e,a)$ is the logarithmic weighted average of excess relative risk (ERR) and excess absolute risk (EAR) and for breast $M(D,e,a)$ is EAR, and $S(a)/S(e)$ is the probability of surviving from age at exposure to attained age (derived from the Anderson and DeTurk tables [2]).

$$ERR(D,e,a) = \beta \exp(\gamma e^*)\left(\frac{a}{60}\right)^{\eta}\lambda^{C}(a)$$

$$EAR(D,e,a) = \beta \exp(\gamma e^*)\left(\frac{a}{60}\right)^{\eta}$$

where β is the ERR/Sv and EAR per 10^4 WY-Sv for age at exposure 30+ at attained age 60, γ is a constant dependent on age at exposure, for lung $e^*=(e-30)/10$ for age at exposure less than 30 and $e^*=0$ for age at exposure greater than 30, and for breast $e^*=e-30$ for all age at exposure, η is a constant dependent on attained age, and λ^C is the attained age baseline risk of developing the cancer [3]. For lung risk estimates the BEIR VII recommends the logarithmic weights 0.3 and 0.7 for ERR and EAR respectively. A 5-year latency period was used and a dose-rate-effectiveness-factor of 1.5 was applied to correct for dose fractionation, as suggested by BEIR VII [1].

Quin A. et al, Radioth Oncology (2013) in press

ESTRO School

Normal tissue dose and second risk in breast RT: ACCEPTABLE

Reason: quote of text & formulas is limited as well as other material (1 image, 1 table); authors and source are mentioned

PROSTATE CANCER

Table 4. Impact of treatment on pain (n = 30)

Level of relief	n*	(%)
Minimal relief	8	(27)
Partial relief	8	(27)
Complete relief	6	(20)
No improvement	6	(20)
Worsening of pain	2	(6)

Table 3. Ambulatory status following treatment (n = 32)

	Post-treatment status	
	Ambulant	Non-ambulant
Pre-treatment status		
Ambulant n* = 16	13 (81%)	3 (19%)
Non-ambulant n* = 16	2 (12.5%)	14 (87.5%)

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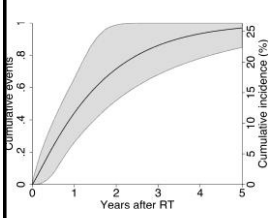
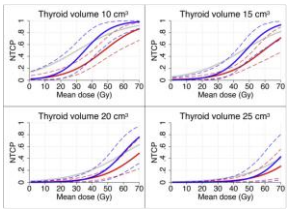
Prostate Ca: NOT ACCEPTABLE

Reason: No mention of source and author of quoted tables; the fact that the tables have been 'edited' do not justify the use without mentioning author and source

Hypothyroidism after primary RT for H&N squamous cell ca: NTCP modeling with latent time correction





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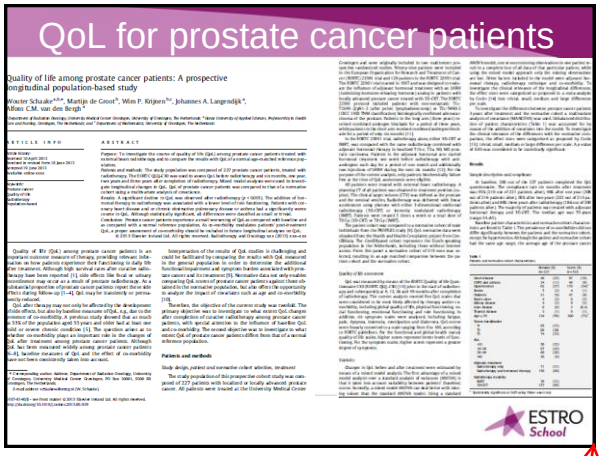
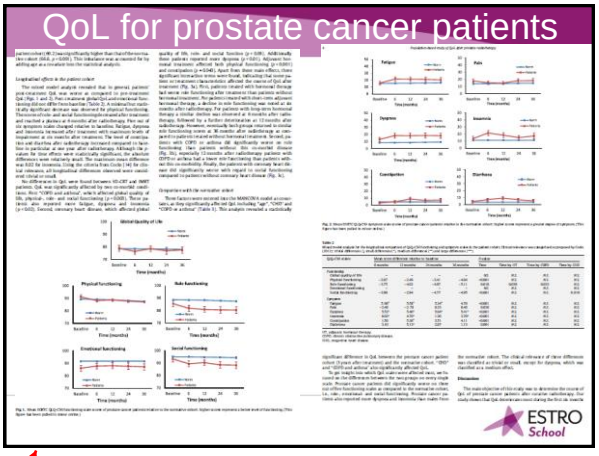
Hypothyroidism after primary RT: NOT ACCEPTABLE

Reason: No mention of the source and authors of the quoted graphs





QoL FOR PROSTATE CA PTS (3 slides): NOT ACCEPTABLE
Reason: full article is included which is much more than a brief quotation; therefore it is not acceptable, even if author and source are mentioned

SABR: NOT ACCEPTABLE
Reason: source of the pictures not mentioned