

Match Overview



1	CrossCheck 132 words Lauche, Olivier, and Youlia M Kirova, "Helical tomotherapy and volumetric modulated arc therapy in breast cancer treatment", <i>Breast Cancer Management</i> , 2015	4%
2	CrossCheck 40 words "Abstract", <i>Breast Cancer Research and Treatment</i> , 12/2005	1%
3	Internet 23 words crawled on 14-Apr-2016 acsearch.acr.org	1%
4	Internet 23 words crawled on 26-Oct-2015 www.science.gov	1%
5	Internet 20 words crawled on 12-Jul-2015 www.healthimaging.com	1%
6	CrossCheck 14 words "2010, Annual Scientific Meeting Research, Discovery, Collaboration and Education in Radiation Oncology and Physics"	<1%
7	CrossCheck 11 words Simona F. Shaitelman, "Five-year outcome of patients classified using the American Society for Radiation Oncology c"	<1%

Name of Journal: *World Journal of Radiology*

ESPS Manuscript NO: 25115

Manuscript Type: Original Article

Observational Study

Helical tomotherapy and volumetric modulated arc therapy: New therapeutic arms in the breast cancer radiotherapy

Olivier Lauche, Youlia M. Kirova, Pascal Fenoglietto, Emilie Costa, Claire Lemanski, Celine Bourgier, Olivier Riou, David Tiberi, Francois Campana, Alain Fourquet, David Azria

Abstract

AIM: To analyse clinical and dosimetric results of HT and VMAT in complex adjuvant breast and nodes irradiation.

METHODS: Seventy-three patients were included (31 HT and 42 VMAT). Dose were 63.8 Gy (HT) and 63.2 Gy (VMAT) in the tumour bed, 52.2 Gy in the breast, 50.4 Gy in supraclavicular nodes (SCN) and internal mammary chain (IMC) with HT and 52.2 Gy and 49.3 Gy in IMC and SCN with VMAT in 29 fractions. Margins to PTV were greater in the VMAT cohort (7mm vs 5mm).

RESULTS: For the HT cohort, the coverage of clinical target volumes (CTV) was as follows: tumour bed: 99.4% ± 2.4; breast: 98.4% ± 4.3; SCN: 99.5% ± 1.2; IMC: 96.5% ± 13.9. For the VMAT cohort, the coverage was as follows: tumour bed: 99.7% ± 0.5,

全部 图片 视频 新闻 地图 图书

找到约 8,760 条结果

Google 学术: [Helical Tomotherapy \(HT\) and Volumetric Modulated Arc Therapy \(VMAT\): new therapeutic arms in the breast cancer radiotherapy \(RT\)](#)

[... modulated versus 3D conformal radiation therapy in ...](#) - Filippi - 被引用次数: 8

[Helical tomotherapy for whole-brain irradiation with ...](#) - Levegrün - 被引用次数: 11

[Salvage therapy of small volume prostate cancer nodal ...](#) - De Bari - 被引用次数: 13

[Recent Medical Dosimetry Articles - Journals - Elsevier](#)

www.journals.elsevier.com/medical-dosimetry/recent-articles/ ▼

Whole-brain hippocampal sparing **radiation** therapy: Volume-modulated arc therapy vs for 2 different **arm** fixation devices in **radiotherapy** (RT) of **breast cancer**: a ... Pancreatic cancer planning: Complex conformal vs modulated **therapies** ... (CK), **Helical TomoTherapy** (HT), **Volumetric Modulated Arc Therapy** (VMAT) by ...

[Volumetric modulated arc therapy: a review of current literature and ...](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC3473700/ ▼

Volumetric modulated arc therapy (VMAT) is a novel **radiation** technique, ... and neck, thoracic, central nervous system, **breast** and other tumour sites. ... Arc **therapies** have the ability to achieve highly conformal dose distributions ... or **helical tomotherapy** (HT) (where the **radiation** is delivered in a continuous spiral) [30-33].

[CLIN-RADIATION THERAPY](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC3488792/ ▼

Helical tomotherapy (HT) delivers small beamlets of photons in continuous rotational RT-05. INTERFRACTIONAL VARIATION OF **RADIATION** TARGET AND Target volume delineation was done as per RTOG guidelines in **Arm A** and as **Volumetric-modulated arc therapy** (VMAT) is a **new** technique that needs to be ...

[Involved-Site Image-Guided Intensity Modulated Versus 3D ...](#)

leukemiaandlymphoma.eu/involved-site-image-guided-intensity-modulated-versus-3d-conformal-radiation-therapy-early-stage ▼

Purpose Image-guided intensity **modulated radiation therapy** (IG-IMRT) ... RT planning and delivery techniques in patients affected with early stage HL, ... **arc therapy** (VMAT) in 1 center and 18 patients with **helical tomotherapy** (HT) in the other. ... the clinical or radiological appearance of new disease sites outside radiation

[全部](#)[图片](#)[视频](#)[新闻](#)[更多 ▾](#)[搜索工具](#)

找到约 21,000 条结果 (用时 0.94 秒)

Google 学术: Helical tomotherapy and volumetric modulated arc therapy: New therapeutic arms in the breast cancer radiotherapy

On the dosimetric behaviour of photon dose calculation ... - Fogliata - 被引用次数: 191

Dose to normal tissues outside the radiation therapy ... - Purdy - 被引用次数: 91

... modulated radiation therapy (IMRT) decreases acute ... - Freedman - 被引用次数: 116

Treatment Techniques to Reduce Cardiac Irradiation for Breast ... - NCBI

www.ncbi.nlm.nih.gov > NCBI > Literature > PubMed Central (PMC) ▾ [翻译此页](#)

作者: RE Beck - 2014 - 被引用次数: 5 - 相关文章

2014年11月14日 - Several broad categories of techniques to reduce cardiac radiation doses ... estimates that in 2014 about 232,000 new cases of invasive breast cancer will be IMRT, inverse-planned IMRT, and modulated arc therapies have been studied. [Preliminary results of whole breast helical tomotherapy with ...

Recent Medical Dosimetry Articles - Elsevier

www.journals.elsevier.com/medical-dosimetry/recent-articles ▾ [翻译此页](#)

Split-field vs extended-field intensity-modulated radiation therapy plans for ... (CK), Helical TomoTherapy (HT), Volumetric Modulated Arc Therapy (VMAT) by Varian ... Pancreatic cancer planning: Complex conformal vs modulated therapies breast cancer adjuvant radiotherapy: Comparison of two arm fixation devices and ...

Volumetric modulated arc therapy planning for distal oesophageal ...

www.ncbi.nlm.nih.gov > NCBI > Literature > PubMed Central (PMC) ▾ [翻译此页](#)

作者: MA Hawkins - 2012 - 被引用次数: 27 - 相关文章

Volumetric modulated arc therapy (VMAT) is a novel form of ... integration of newer treatment agents or targeted therapies in the treatment pathway. Intensity-modulated radiation therapy (IMRT) allows concave dose ... Sparing of the heart in terms of V30 or V45 is described with tomotherapy for oesophageal cancers [16]

[全部](#)[图片](#)[视频](#)[新闻](#)[更多 ▾](#)[搜索工具](#)

找到约 18,200 条结果 (用时 0.71 秒)

Google 学术: Helical tomotherapy and volumetric modulated arc therapy: New therapeutic arms in the breast cancer radiotherapy

On the dosimetric behaviour of photon dose calculation ... - Fogliata - 被引用次数: 189

Dose to normal tissues outside the radiation therapy ... - Purdy - 被引用次数: 94

... modulated radiation therapy (IMRT) decreases acute ... - Freedman - 被引用次数: 120

小提示: 仅限搜索简体中文结果。您可以在设置中指定搜索语言

Volumetric modulated arc therapy planning for distal oesophageal ...

www.ncbi.nlm.nih.gov > NCBI > Literature > PubMed Central (PMC) ▾ [翻译此页](#)

作者: MA Hawkins - 2012 - 被引用次数: 27 - [相关文章](#)

Volumetric modulated arc therapy (VMAT) is a novel form of ... integration of newer treatment agents or targeted therapies in the treatment pathway. ... Intensity-modulated radiation therapy (IMRT) allows concave dose ... Sparing of the heart in terms of V30 or V45 is described with tomotherapy for oesophageal cancers [16].

Treatment Techniques to Reduce Cardiac Irradiation for Breast ... - NCBI

www.ncbi.nlm.nih.gov > NCBI > Literature > PubMed Central (PMC) ▾ [翻译此页](#)

作者: RE Beck - 2014 - 被引用次数: 6 - [相关文章](#)

2014年11月14日 - Several broad categories of techniques to reduce cardiac radiation doses ...

estimates that in 2014 about 232,000 new cases of invasive breast cancer will be IMRT, inverse-planned IMRT, and modulated arc therapies have been studied. [Preliminary results of whole breast helical tomotherapy with ...