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## **Improving target volume delineation in intact cervical ...**

Based on existing cardiac contouring guidelines, preliminary guidelines detailing the delineation of the heart and 24 cardiac substructures were developed: the four cardiac chambers, the four segments of the left ventricle wall, ten coronary artery segments and six help-structures (aorta, inferior and superior vena cava, pulmonary trunk, coronary sinus and left auricle), along with a contouring atlas , .

## **Atlas-based auto-segmentation for postoperative ...**

delineation in early breast cancer [11-18] have been published. Atlases for delineating the heart have also been proposed [19,20], and recently software

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has been developed for autosegmentation of target volumes to support RT planning [21,22]. However, most

## **CT-based delineation of lymph node levels in the N0 neck ...**

The Atlas created by Itazawa et al. is the second published consensus-based atlas for defining the LNSs for lung cancer radiotherapy according to the IASLC-endorsed LNS map. The differences between the two published atlases of LNS delineation in radiation oncology are discussed.

## **Delineation of whole heart and substructures in thoracic ...**

Map 1: UNCCD delineation of drylands

Map 2: Extent of dryland systems according to the World Atlas of Desertification

Map 3: Biogeographic realms

Map 4: Extent of biomes 7, 8, 10, 12 and 13

Map 5: Extent of biomes 7, 8, 10, 12 and 13 with P/PET ratio  $\geq 0.65$

Map 6: Global delineation of areas in

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relation to the CBD PoW on Dry and Subhumid

## **Addressing the challenge of proper delineation of lymph ...**

By contouring the LADR, radiation oncologists can ensure adequate inclusion of the LAD and its DBs and improve the consistency of delineation and dose reporting for this organ at risk. Feng et al. developed a cardiac atlas and assessed contour accuracy using percentage overlap with gold standard atlas volumes .

## **The EPTN consensus-based atlas for CT- and MR-based ...**

The aim of this study was to review the recent literature, highlight and resolve inconsistencies in current published guidelines, and produce a detailed pictorial delineation atlas for cervical cancer RT, attempting to reduce inter observer variation. The impact of this atlas was assessed after inclusion within the INTERLACE RTQA pack.

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### **Stereotaxic MRI brain atlases for infants from 3 to 12 months**

Consensus atlas of CTV for post-op RT of endometrial and cervical centers for IMRT; St. Bartholomew (UK) 2007 PMID 17624745-- "An atlas of the pelvic lymph node regions to aid radiotherapy target volume definition." (Taylor A, Clin Oncol (R Coll Radiol). 2007 Sep;19(7):542-50. Epub 2007 Jul 10.) Development of a CT atlas

### **An atlas to aid delineation of para-aortic lymph node ...**

Both ABAS-Femur and simultaneous ABAS-Bilateral-femurs showed satisfactory performance, regardless of the atlas library used ( $DC > 0.9$  and  $HD \leq 10.0$  mm), with significant time reduction compared to that needed for manual delineation ( $p < 0.001$ ).

### **ESTRO consensus guideline on target volume delineation for ...**

Creation of the LPBA40 atlas (), for

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example, required manual delineation of regions on the 40 individuals from whom the atlas was derived. This method is time-consuming, typically requiring one or more individuals be trained on manual delineation protocols. In addition, the results from one individual are not easily transferable to new MRIs.

### **Atlas for the End of the World - Atlas for the Beginning ...**

The atlas can also be obtained in DICOM-RT format on request. Conclusion: Consensus guidelines for head and neck OAR delineation were defined, aiming to decrease interobserver variability among clinicians and radiotherapy centers.

### **A spatial analysis approach to the global delineation of ...**

Cancer / Radiothérapie - Sous presse.  
Épreuves corrigées par l'auteur.  
Disponible en ligne depuis le samedi 10 octobre 2020 - Evaluation of a software for automatic delineation of the

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mammary gland and organs at risk in patients treated for breast cancer in lateral position - EM consulte

### **Evaluation of a software for automatic delineation of the ...**

However, an atlas for accurate clinical target volume (CTV) delineation has yet to be defined. The purpose of this study was to design and verify a computerized tomography (CT) atlas to provide guidance for contouring the PAN CTV in patients with cervical cancer.

### **Development of delineation for the left anterior ...**

more completely with the TNM atlas. The consensus guidelines for the delineation of the node levels in the neck Fig. 1 presents lateral views of the superficial and the deep node groups of the head and neck region [11]. For all these groups, Table 1 compares the terminology of the TNM atlas and the proposed

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## **An Age-Specific Atlas for Delineation of White Matter ...**

The world's first atlas, the Theatrum Orbis Terrarum (Theatre of the World) was published in 1570 by Abraham Ortelius of Antwerp. In crude outline, the Theatrum laid out the world and its largely in-tact ecosystems for imminent colonization. Almost 450 years later, this 'Atlas for the End of the World' rakes over the remains.

## **Computed tomographic atlas for the new international lymph ...**

CT-based delineation of lymph node levels in the N0 neck: DAHANCA, EORTC, GORTEC, RTOG consensus guidelines. Vincent Grégoire, Radiation Oncology Peter Levendag\*, Radiation Oncology UCL St-Luc University Hospital, Brussels, Belgium and \*Erasmus Medical Center, Rotterdam, The Netherlands

## **CT-based delineation of organs at risk in the head and ...**

However, given the known age-



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dependency of developmental change in white matter it may not be optimal to use an adult template when assessing data acquired from children. This study develops an age-specific probabilistic white matter atlas for delineation of 12 major white matter tracts in children aged 6-8 years.

## **CT-based delineation of organs at risk in the head and ...**

Further investigation to assess the impact of the iterative atlas selection procedure on the segmentation accuracy of cardiac substructures is desirable for situations where accurate substructure delineation is critical. The iterative atlas selection algorithm leverages the a priori power of atlases, and with optimised segmentation thresholds ...

## **Atlas For Delineation Of The**

The Supplemental material provides an atlas of the consensus guidelines,

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projected on 1mm axial slices. The atlas can also be obtained in DICOM-RT format on request. Conclusion: Consensus guidelines for head and neck OAR delineation were defined, aiming to decrease interobserver variability among clinicians and radiotherapy centers.

### **Delineation of the neck node levels for head and neck ...**

**PURPOSE:** To create a digital, online atlas for organs at risk (OAR) delineation in neuro-oncology based on high-quality computed tomography (CT) and magnetic resonance (MR) imaging.

**METHODS:** CT and 3 Tesla (3T) MR images (slice thickness 1 mm with intravenous contrast agent) were obtained from the same patient and subsequently fused.

### **Localised delineation uncertainty for iterative atlas ...**

accurate delineation of various anatomic structures including lymph node regions.

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Various atlases have been created to aid in treatment planning. In 2005, Chapet et al<sup>5</sup> published an atlas from the University of Michigan, defining on CT images the mediastinal lymph node stations for lung cancer. This atlas was based on the prior map and