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# Dosimetry for head and neck radiotherapy using personalized quantitative MRI

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#### **Conclusion and Discussion**

This study shows that proton density quantification with MRI allows to build a synthetic CT with a direct method. The dosimetry shows results comparable to other methods in the literature and to the reference CT-based dosimetry. This method is a first step towards personalized treatment that could be adapted to other anatomical area with the proper UTE sequence and a coil setup compatible with the immobilization material.

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