

Setup errors in patients with head-neck cancer (HNC), treated using the Intensity Modulated Radiation Therapy (IMRT) technique: how it influences the customised immobilisation systems, patient's pain and anxiety

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<Background>

The main purpose of this study was to determine **how the procedures for preparation of customized immobilization systems and the patients' characteristics influence the extent of setup errors.**

<Setting>

All patients with head-neck tumor were immobilized using a 5-points mask.

An additional customized neck support was used (**MOLDCARE® CUSHION For Head, Neck and Small Regions Rt -4492S*1, ALCARE Co., Ltd. Tokyo, Japan**).

<Results>

Using a 'Small size standard plus customized neck support device*1' is associated to a **-52.3% (-73.7% - -11.2%) reduction*2.**

Remarks:

*1 Moldcare HN 0.5, 20cm x 15cm

*2 reduction of the setup errors

Please refer to the original documents below.

<Abstract & Full-text>

<https://ro-journal.biomedcentral.com/articles/10.1186/s13014-017-0807-y>