

# HFUS VALUE AT TREATMENT CHOICE

Every noninvasive and small invasive NMSC treatment method have some limitations. The main limitation – is the treatment factor penetration depth.

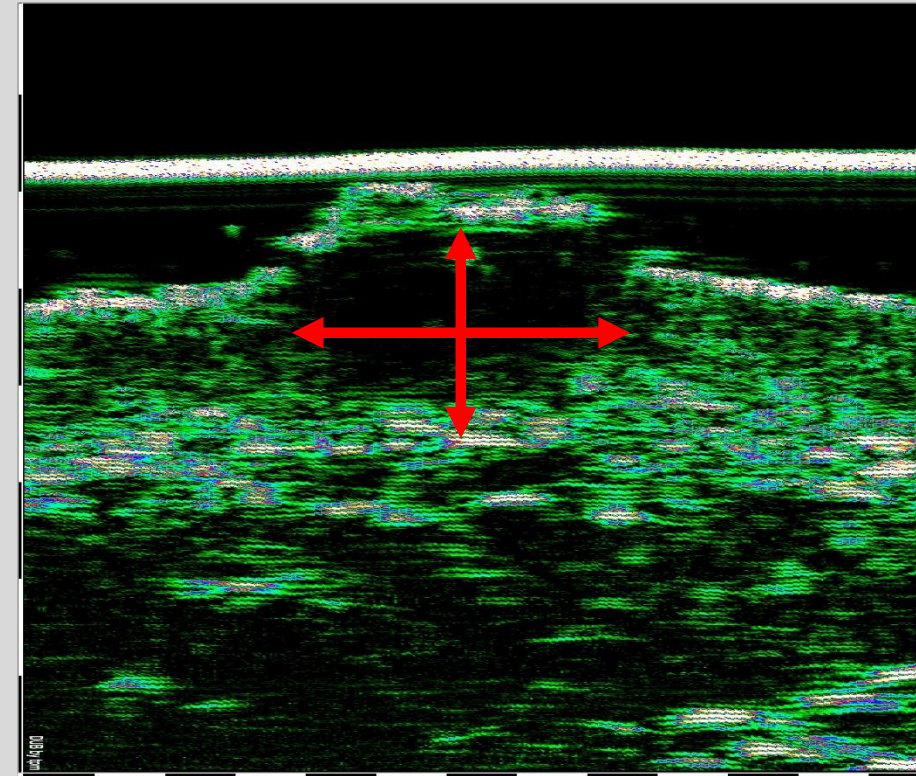
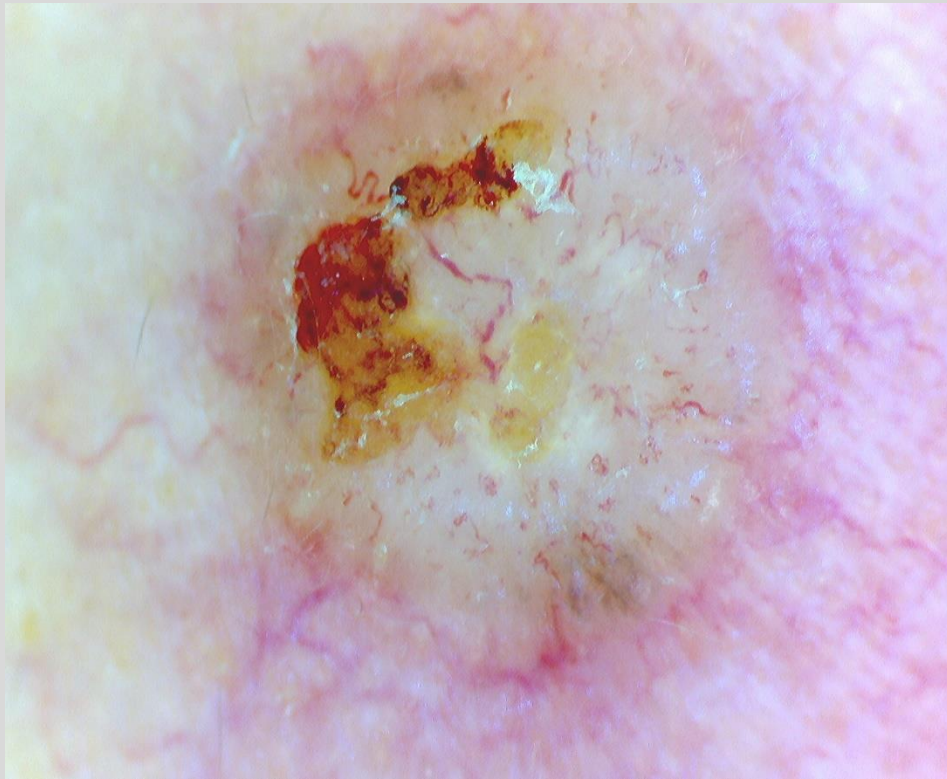
If the thickness of the tumor is greater than the depth of penetration of the therapeutic factor, complications and recurrences occur.

High-frequency ultrasound of the skin in this case can serve as a simple and affordable tool for the correct choice of therapy according to the thickness of the tumor and the depth of penetration of the therapeutic factor.

The simple algorithm, based on the HFUS examination results is useful in clinical practice.

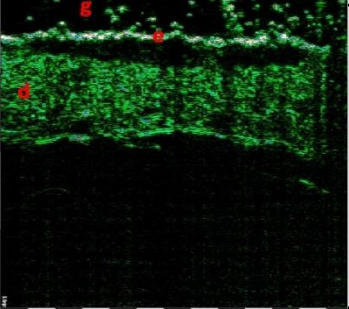
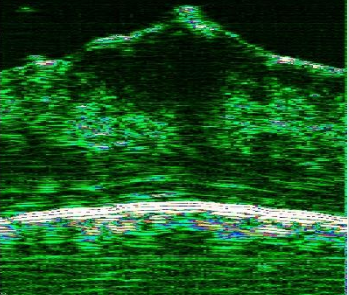
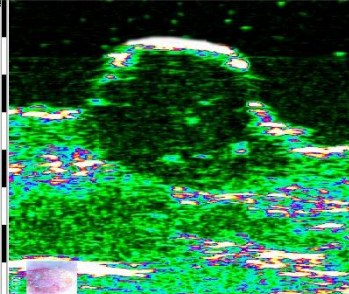
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The algorithm, based on the HFUS examination results.  
Accurate HFUS tumor measurement is key for the proper treatment administration.



Nodular BCC , tumor thickness 2,4 mm, tumor width 7,3 mm

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	Tumor thickness $\leq 0,5$ mm	Imiquimod, Cryodestruction, PDT, Brachytherapy, SRT, Radiotherapy
	Tumor thickness $\leq 3,0$ mm	Surgery, MOHs, Brachytherapy, SRT, Radiotherapy
	Tumor thickness $> 3,0$ mm	Surgery, MOHs, Radiotherapy (penetrating more than 3 mm)