

PRELIMINARY EXPERIENCE IN THE TREATMENT OF HCC RESIDUALS AFTER RF ABLATION USING CT-FLUOROSCOPY (CTF) GUIDE

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Purpose: To assess the feasibility and the effectiveness of RF ablation CTF-guided for HCC residuals after RF ablation.

Materials and Methods: In the last 6 months we performed 23 RF ablation to treat HCC nodules. During the follow-up CT scan performed 1 months after the procedure showed 9 pericapsular residuals (mean diameter: 2,4 cm). In all cases Ultrasound had not distinguished the residual from the necrotic tissue. RF ablation was performed with CTF guide (Aquilion 64®/Toshiba) using a coaxial needle electrode (Le Veen®/Boston Scientific) during contrast media injection. The results were assessed with CT performed soon after the procedure and 1 and 3 months later.

Results: We obtained an immediate technical success of 100% as showed by post-procedural CT. No major complication occurred. CT scan performed 1 and 3 months after the procedure confirmed complete necrosis of the residuals (clinical success of 100%).

Conclusions: RF ablation CTF-guided is an effective tool form the treatment of HCC residuals. Contrast media injection during CTF allows the localization of hypervascular area guiding the positioning of the needle. Post-procedural CT scan allows an immediate assessment of treatment success.