

National Institute for Health and Care Excellence

IP1868 Percutaneous ultrasound-guided microwave ablation for symptomatic benign thyroid nodules

IPAC date: 8 September 2022

Com. no.	Consultee name and organisation	Sec. no.	Comments	Response
1	Consultee 1 Terumo UK Ltd Company	3.1	<p>The Committee noted that the CE-marked device for this procedure (TATO, Biomedical s.r.l.) is not used in any of the studies included in the overview.</p> <p>A recent publication using TATO was recently published in May 2022.</p> <ul style="list-style-type: none"> Yildirim G and Karakas H (2022). Uncooled Microwave Ablation as a Treatment Option to Preserve Thyroid Function in Patients with Benign Thyroid Nodules. Journal of the Belgian Society of Radiology. 106(1): 50 	<p>Please respond to all comments</p> <p>Thank you for your comment.</p> <p>The study listed (Yildirim 2022) has been identified in our update search and has been added to table 2 of the overview.</p>

Com. no.	Consultee name and organisation	Sec. no.	Comments	Response
2	Consultee 1 Terumo UK Ltd Company	3.4	<p>The committee noted that this procedure can be done with cooled and uncooled microwave ablation devices and that most of the evidence it reviewed on the safety and efficacy of this procedure came from cooled microwave ablation devices.</p> <ul style="list-style-type: none"> We would like to add that the lack of cooling (uncooled ablation devices) permits for a reduction of the ablation probe gauge down to 17G or 18G which are the perfect diameters to approach the thyroid. The use of lower power is enabled by the lack of cooling, and it improves visibility under ultrasound, minimizing the vapo formation during ablation. 	<p>Please respond to all comments</p> <p>Thank you for your comment.</p> <p>The following committee comment has been added.</p> <p><i>“The committee was informed that using uncooled microwave ablation devices means smaller needles can be used.”</i></p>

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