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*Research article*

# **Thyroid nodule segmentation in ultrasound images using U-Net with ResNet encoder: achieving state-of-the-art performance on all public datasets**

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## **Supplementary**

### **Appendix A—TDID dataset edits**

120\_1 - deleted - missing coordinates - xml completely empty  
142\_2 - deleted - missing coordinates - xml completely empty  
213\_2 - deleted - missing coordinates - xml completely empty  
230\_2 - deleted - missing coordinates - xml completely empty  
127\_1 - coordinates adjusted - the coordinates are not complete, missing last y-coordinate. The last x-coordinate was deleted.  
389\_1 - deleted - missing coordinates - xml completely empty  
62\_3 - deleted - missing coordinates - xml completely empty  
165\_1 - deleted - missing one nodule in the image - incomplete coordinates  
176\_1 - deleted - missing one nodule in the image - incomplete coordinates  
197\_1 - deleted - missing one nodule in the image - incomplete coordinates  
337\_3 - deleted - missing one nodule in the image - incomplete coordinates  
205\_1 - deleted - missing one nodule in the image - incomplete coordinates  
338\_2 - deleted - one nodule correctly placed, the other completely off the image

166\_1 - deleted - missing one nodule in the image - incomplete coordinates

130\_2 - deleted - Mask does not fit - there is no nodule at all, it does not even end at the edge of US image. Probably an error.

233\_1 - deleted - mask doesn't fit the nodule - it's likely shifted, also, the second mask is completely missing (coordinates are entirely absent)

261\_1 - deleted - missing one nodule in the image. There are no coordinates in the xml, but the nodule is there. Requires assessment by a radiologist.

77\_1 - deleted - might not be correct. Requires assessment by a radiologist.

75\_1 - deleted - homogeneous area across the entire screen, it's probably just the thyroid gland, not a nodule. Requires assessment by a radiologist.



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