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EMF-former: An Efficient and Memory-Friendly Transformer for Medical Image Segmentation(Supplementary material)

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Fig. 1. Details of visual comparison. We selected two pairs of samples in both two dataset, each pair involving two segmentation results for large target and small target.

2 Z. Hao et al.



Fig. 2. Details of DSPConv Modules and VAA. (a) The DSPConv Merge structure is used in stage 2^{4} . (b) The DSPConv Stem structure is used in stage 1. (d) The query and key matrix are multiplied by the learnable weights to produce a vector. The two vectors are then element-wise multiplied after the broadcast.



Fig. 3. Details of S-MHA. Multi-head are split from the features (We set the maximum value of n equal to 8). The head for attention calculation and the head for no attention calculation together form a Head Group (e.g., head_1 and head_2 in the figure).