Table A5 Qualitative results for the PSAX view in echocardiograms evaluated using the mean angle error (MAE) with different model-agnostic meta learning methods.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| k-shot | Training method | Metric | PSAX (TMED-2(Huang et al. 2022)) | | | |
| IVS | LVID | LVPW | Avg. |
| 100 | Baseline | MAE | 23.85 ± 18.69 | 12.98 ± 11.12 | 26.85 ± 33.37 | 26.85 ± 33.37 |
| 5 | FOMAML  (Finn et al. 2017) | MAE | 26.61 ± 19.38 | 18.96 ± 19.87 | 26.37 ± 25.92 | 23.98 ± 22.14 |
| Meta-SGD  (Li et al. 2017) | MAE | 23.12 ± 18.95 | 27.13 ± 28.95 | 40.17 ± 41.73 | 30.14 ± 32.03 |
| Meta-Curvature  (Park & Oliva 2019) | MAE | 21.62 ± 20.03 | 22.15 ± 23.61 | 27.39 ± 19.31 | 23.72 ± 21.16 |
| ANIL  (Raghu et al., 2019) | MAE | 28.75 ± 31.73 | 33.81 ± 37.05 | 38.88 ± 38.81 | 33.81 ± 36.11 |
| 10 | FOMAML  (Finn et al. 2017) | MAE | 30.69 ± 36.36 | 19.38 ± 26.79 | 35.43 ± 31.59 | 28.50 ± 32.42 |
| Meta-SGD  (Li et al. 2017) | MAE | 23.34 ± 20.12 | 17.61 ± 20.87 | 24.59 ± 20.12 | 21.85 ± 20.53 |
| Meta-Curvature  (Park & Oliva 2019) | MAE | 18.01 ± 15.39 | 15.45 ± 17.79 | 21.56 ± 15.73 | 18.34 ± 16.48 |
| ANIL  (Raghu et al., 2019) | MAE | 56.01 ± 60.48 | 28.80 ± 37.90 | 37.98 ± 32.05 | 40.93 ± 46.42 |
| 20 | FOMAML  (Finn et al. 2017) | MAE | 18.19 ± 13.80 | 13.20 ± 14.33 | 24.60 ± 25.30 | 18.66 ± 19.10 |
| Meta-SGD  (Li et al. 2017) | MAE | 17.47 ± 15.93 | 14.86 ± 14.41 | 27.13 ± 25.38 | 19.82 ± 19.85 |
| Meta-Curvature  (Park & Oliva 2019) | MAE | 17.45 ± 14.23 | 15.17 ± 12.04 | 22.41 ± 20.68 | 18.34 ± 16.30 |
| ANIL  (Raghu et al., 2019) | MAE | 46.95 ± 47.74 | 28.42 ± 36.17 | 38.35 ± 33.11 | 37.91 ± 40.10 |
| 30 | FOMAML  (Finn et al. 2017) | MAE | 16.70 ± 14.38 | 13.82 ± 9.71 | 15.16 ± 11.41 | 15.23 ± 12.01 |
| Meta-SGD  (Li et al. 2017) | MAE | 13.24 ± 10.36 | 12.44 ± 8.85 | 14.90 ± 11.01 | 13.53 ± 10.13 |
| Meta-Curvature  (Park & Oliva 2019) | MAE | 13.86 ± 10.75 | 12.21 ± 9.54 | 12.12 ± 10.76 | **12.73 ± 10.36** |
| ANIL  (Raghu et al., 2019) | MAE | 31.62 ± 29.59 | 23.03 ± 27.30 | 32.41 ± 27.20 | 29.02 ± 28.28 |

PSAX, Parasternal Short Axes; Avg, Average; MAE, Mean Angle Error; IVS, Intraventricular Septum; LVID, Left Ventricular Internal Dimension LVPW, Left Ventricular Posterior Wall

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