Table A4 Qualitative results for the PLAX view in echocardiograms evaluated using the mean distance error (MDE) with different model-agnostic meta learning methods.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| k-shot | Training method | Metric | PLAX (EchoNet-LVH(Duffy et al. 2022)) | | | | |
| 1st point | 2nd point | 3rd point | 4th point | Avg. |
| 100 | Baseline | MDE | 4.19 ± 4.05 | 4.51 ± 4.03 | 5.27 ± 3.58 | 6.48 ± 3.81 | 5.11 ± 3.96 |
| 5 | FOMAML  (Finn et al. 2017) | MDE | 7.74 ± 11.66 | 6.98 ± 9.14 | 7.45 ± 4.84 | 7.38 ± 4.83 | 7.39 ± 8.13 |
| Meta-SGD  (Li et al. 2017) | MDE | 5.64 ± 4.28 | 6.67 ± 3.79 | 7.83 ± 5.23 | 7.30 ± 5.06 | 6.86 ± 4.68 |
| Meta-Curvature  (Park & Oliva 2019) | MDE | 5.31 ± 4.60 | 6.42 ± 6.04 | 8.58 ± 4.93 | 7.63 ± 5.44 | 6.99 ± 5.40 |
| ANIL  (Raghu et al., 2019) | MDE | 18.01 ± 17.19 | 16.75 ± 13.77 | 15.23 ± 14.60 | 12.43 ± 8.21 | 15.60 ± 13.44 |
| 10 | FOMAML  (Finn et al. 2017) | MDE | 4.71 ± 3.39 | 4.73 ± 2.67 | 10.71 ± 9.53 | 10.34 ± 9.40 | 7.62 ± 7.58 |
| Meta-SGD  (Li et al. 2017) | MDE | 6.32 ± 5.77 | 5.91 ± 5.33 | 7.38 ± 4.84 | 7.41 ± 4.61 | 6.76 ± 5.18 |
| Meta-Curvature  (Park & Oliva 2019) | MDE | 5.12 ± 4.08 | 5.31 ± 5.68 | 6.73 ± 3.92 | 7.01 ± 4.56 | 6.04 ± 4.67 |
| ANIL  (Raghu et al., 2019) | MDE | 16.97 ± 17.08 | 14.09 ± 12.32 | 12.53 ± 11.29 | 12.30 ± 10.07 | 13.97 ± 12.69 |
| 20 | FOMAML  (Finn et al. 2017) | MDE | 4.18 ± 2.60 | 4.49 ± 3.10 | 6.15 ± 3.66 | 6.93 ± 4.39 | 5.44 ± 3.67 |
| Meta-SGD  (Li et al. 2017) | MDE | 5.18 ± 4.38 | 5.05 ± 3.88 | 6.24 ± 4.29 | 6.76 ± 4.59 | 5.81 ± 4.34 |
| Meta-Curvature  (Park & Oliva 2019) | MDE | 4.78 ± 5.99 | 5.24 ± 7.70 | 6.17 ± 3.84 | 7.06 ± 4.46 | 5.81 ± 5.74 |
| ANIL  (Raghu et al., 2019) | MDE | 14.63 ± 13.48 | 16.97 ± 20.00 | 13.55 ± 12.65 | 13.10 ± 11.91 | 14.56 ± 14.51 |
| 30 | FOMAML  (Finn et al. 2017) | MDE | 4.08 ± 2.56 | 4.04 ± 2.53 | 5.65 ± 3.19 | 6.45 ± 3.85 | 5.06 ± 3.24 |
| Meta-SGD  (Li et al. 2017) | MDE | 4.65 ± 2.32 | 4.37 ± 2.69 | 6.29 ± 4.67 | 6.46 ± 4.08 | 5.45 ± 3.68 |
| Meta-Curvature  (Park & Oliva 2019) | MDE | 4.83 ± 4.96 | 5.31 ± 4.44 | 5.72 ± 3.49 | 6.38 ± 4.02 | 5.56 ± 4.28 |
| ANIL  (Raghu et al., 2019) | MDE | 10.93 ± 10.74 | 10.62 ± 9.00 | 12.67 ± 13.99 | 10.30 ± 9.63 | 11.13 ± 10.84 |

PLAX, Parasternal Long Axes; Avg, Average; MDE, Mean Distance Error

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