

MULTI-MODAL UNSUPERVISED DOMAIN ADAPTATION FOR DEFORMABLE REGISTRATION BASED ON MAXIMUM CLASSIFIER DISCREPANCY



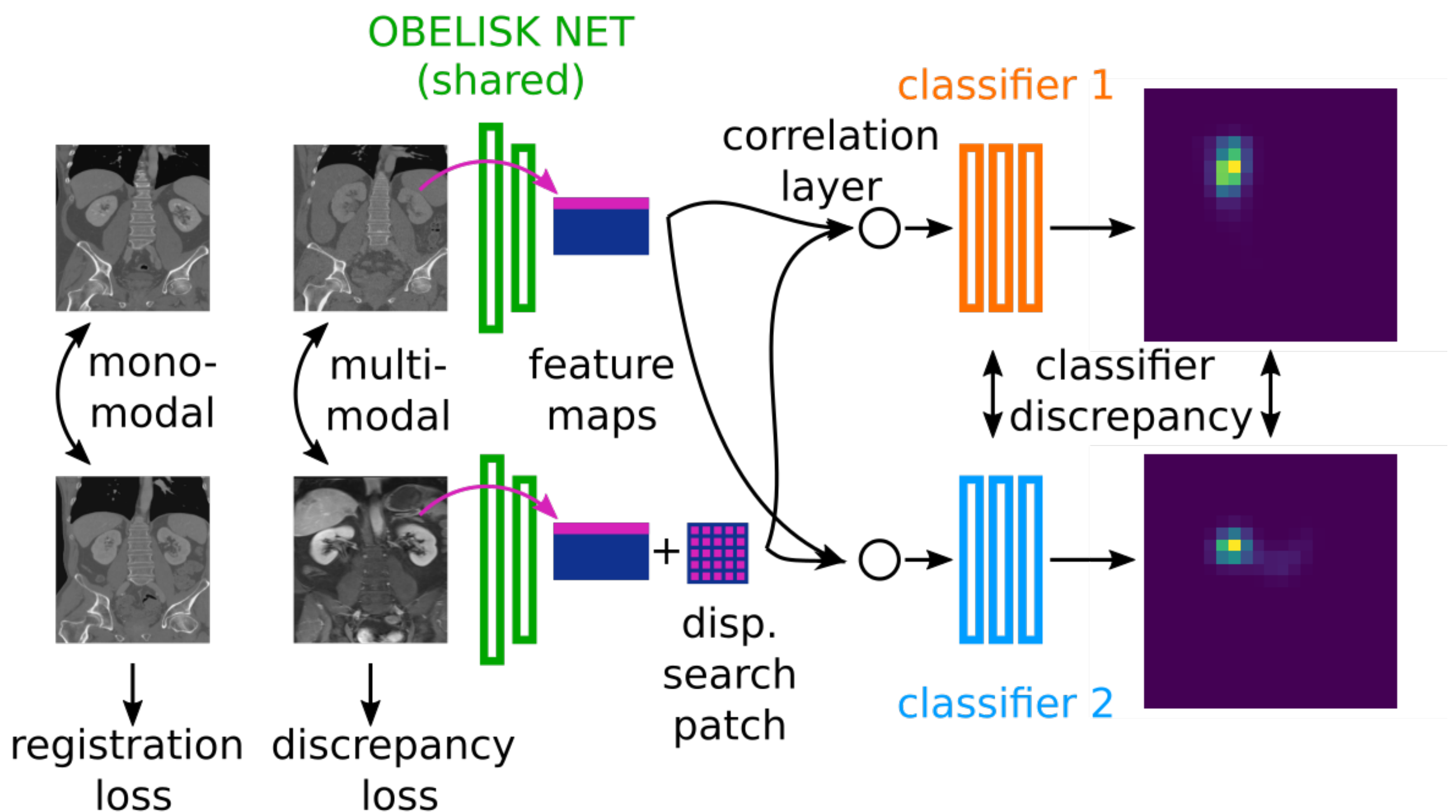
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Goal: Multi-modal unsupervised image registration

Methods: Discrete registration & maximum classifier discrepancy

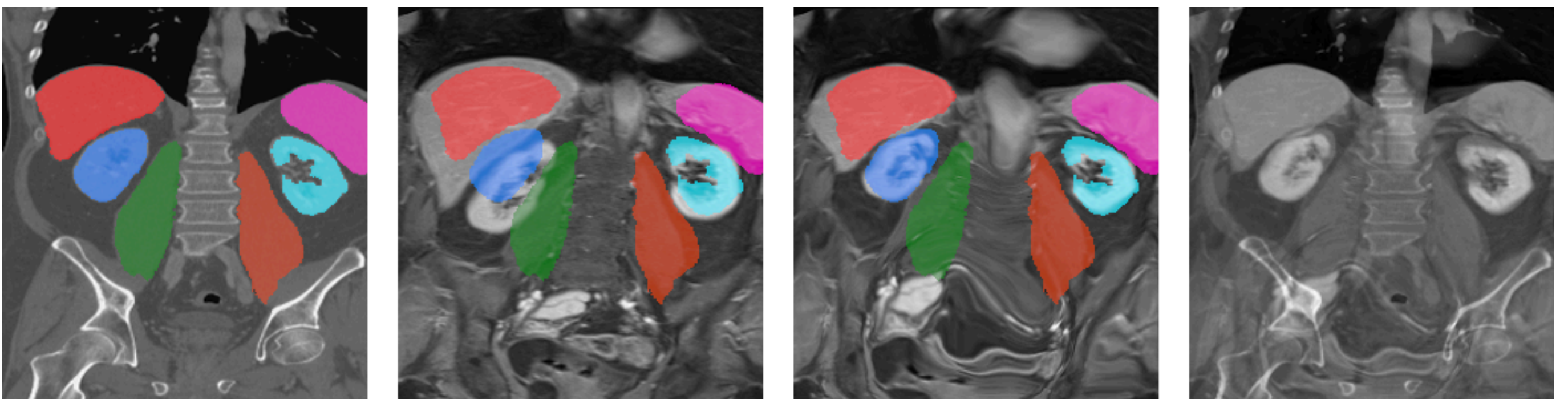
Metric: Projected Earth Mover's distance



Experiment: 2D CT → MR registration

Dataset: Visceral (sub-)dataset (9 CT & MR slices)

Ground Truth: CT → CT & MR → MR displacement fields from pdd-net



5% dice increase compared to no domain adaptation (57% → 62%)