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A Appendix

Table 2: Additional sub-tasks included in the AU training setting for training and validating the DINOv3 model.

Training Paradigm	# Tasks	# Train	# Val	# Test	Reg	Cls	Seg	Det	Target Anatomy	Clinical Group
	1	261	44	1,595			✓		Cervices	Other
	1	327	55	164			✓		Cervical os	Other
	1	659	110	331			✓		Carotid artery	Other
	1	2,094	350	1,049			✓		Thyroid nodule	Other
	1	1,199	200	678			✓		Heart	Other
AU/AU+FT	1	3,279	547	1,640		✓			Liver tumor	Other
	1	219	37	110		✓			Abdominal organ	Other
	1	2,999	500	1,501				✓	Thyroid nodule	Other
	1	516	87	258				✓	Uterine fibroid	Other
	1	2,818	470	1,465	✓				AoP	Other
	1	260	44	134	✓				Cervical length	Other

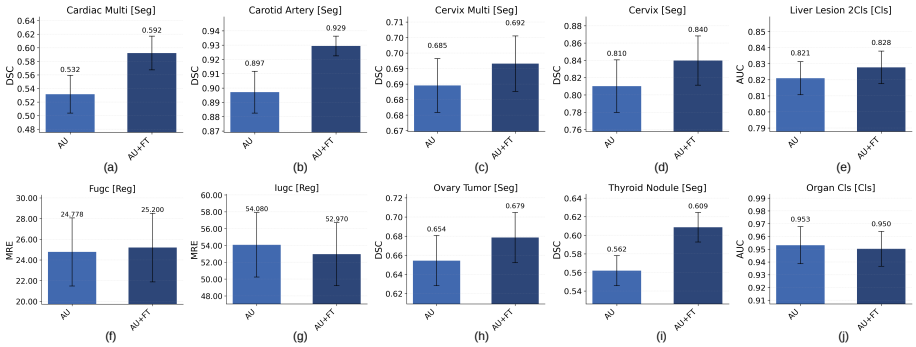
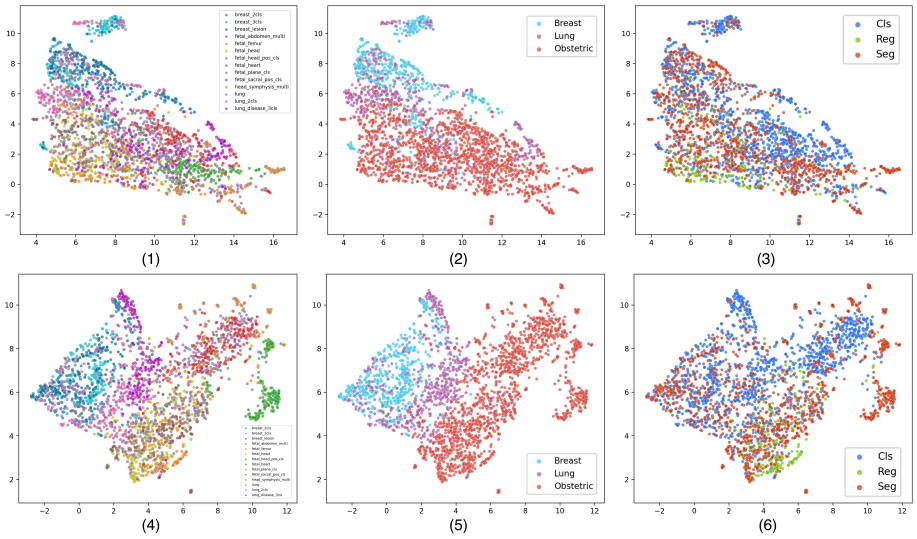
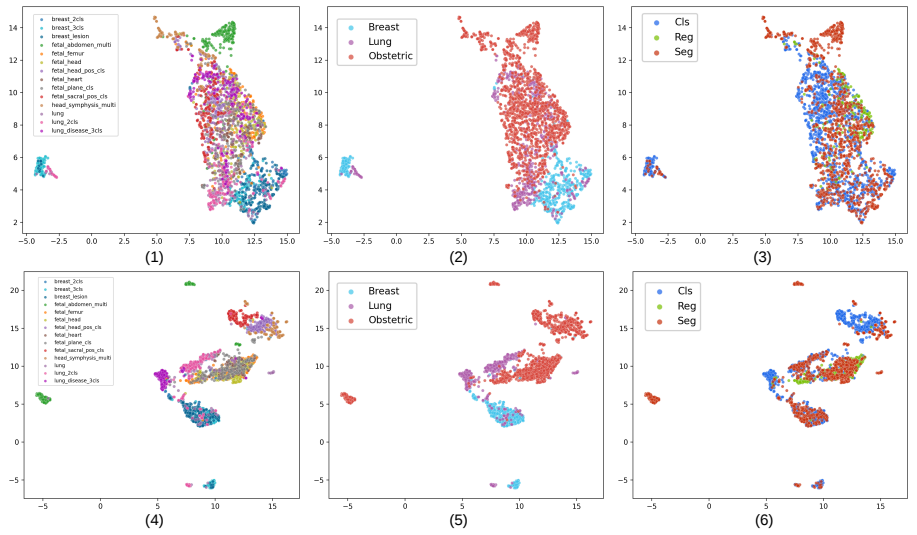


Fig. 4: The test results under AU and AU+FT settings for tasks: (a) cardiac multi-classes, (b) carotid artery, (c) cervix multi-classes, (d) cervix, (e) liver lesion classification, (f) cervical length, (g) angle of progression, (h) ovary tumor segmentation, (i) thyroid nodule segmentation, (j) organ classification.



(a)



(b)

Fig. 5: UMAP [17] projection of the frozen DINOv3 CLS and feature-map embeddings from the last transformer layer. Figures are visualized using different label schemes: (**1,4**) downstream task, (**2,5**) clinical group (Obstetric, Breast, and Lung), and (**3,6**) fundamental task categories (segmentation, classification, and regression).