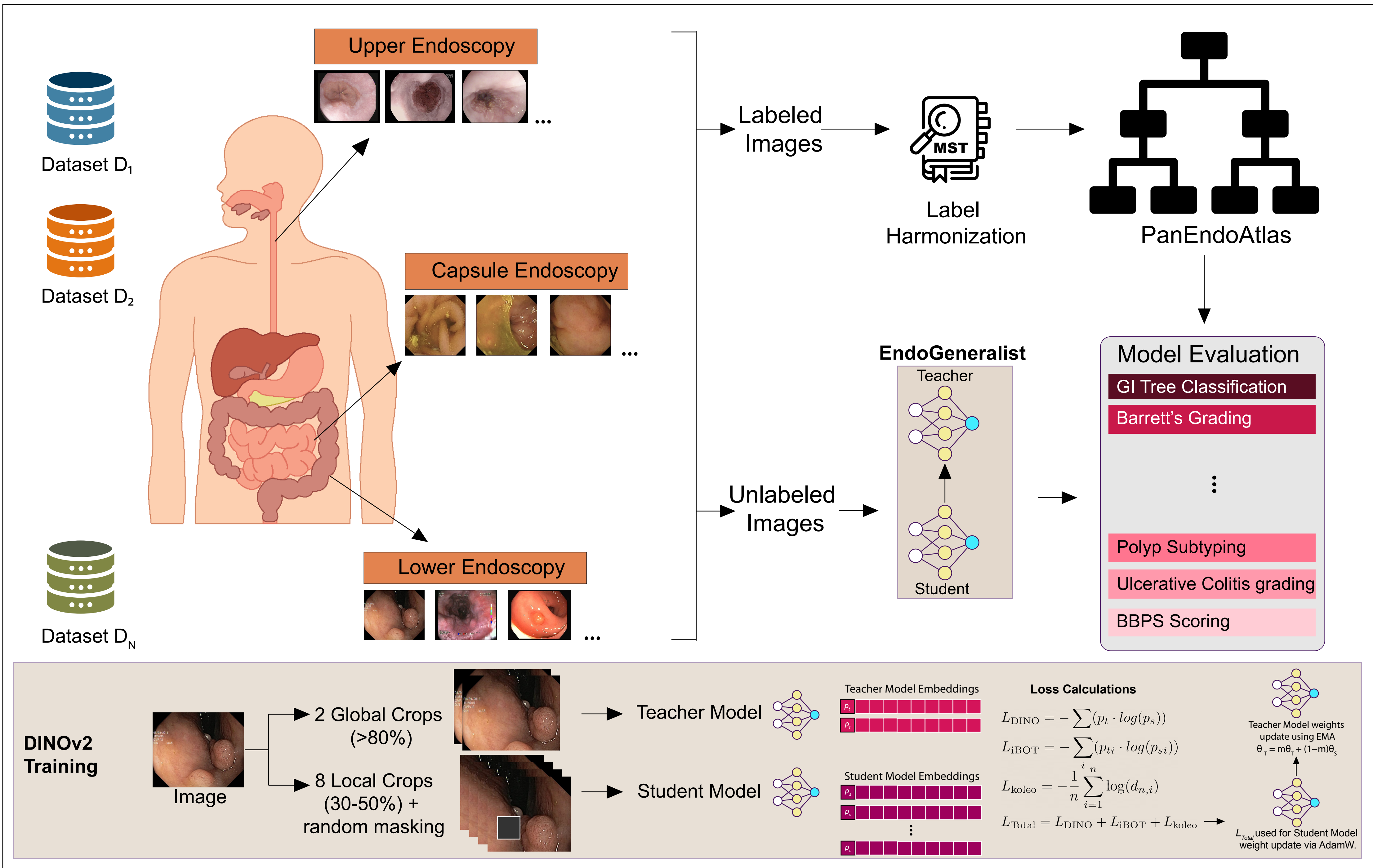
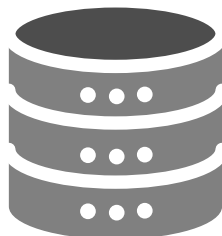



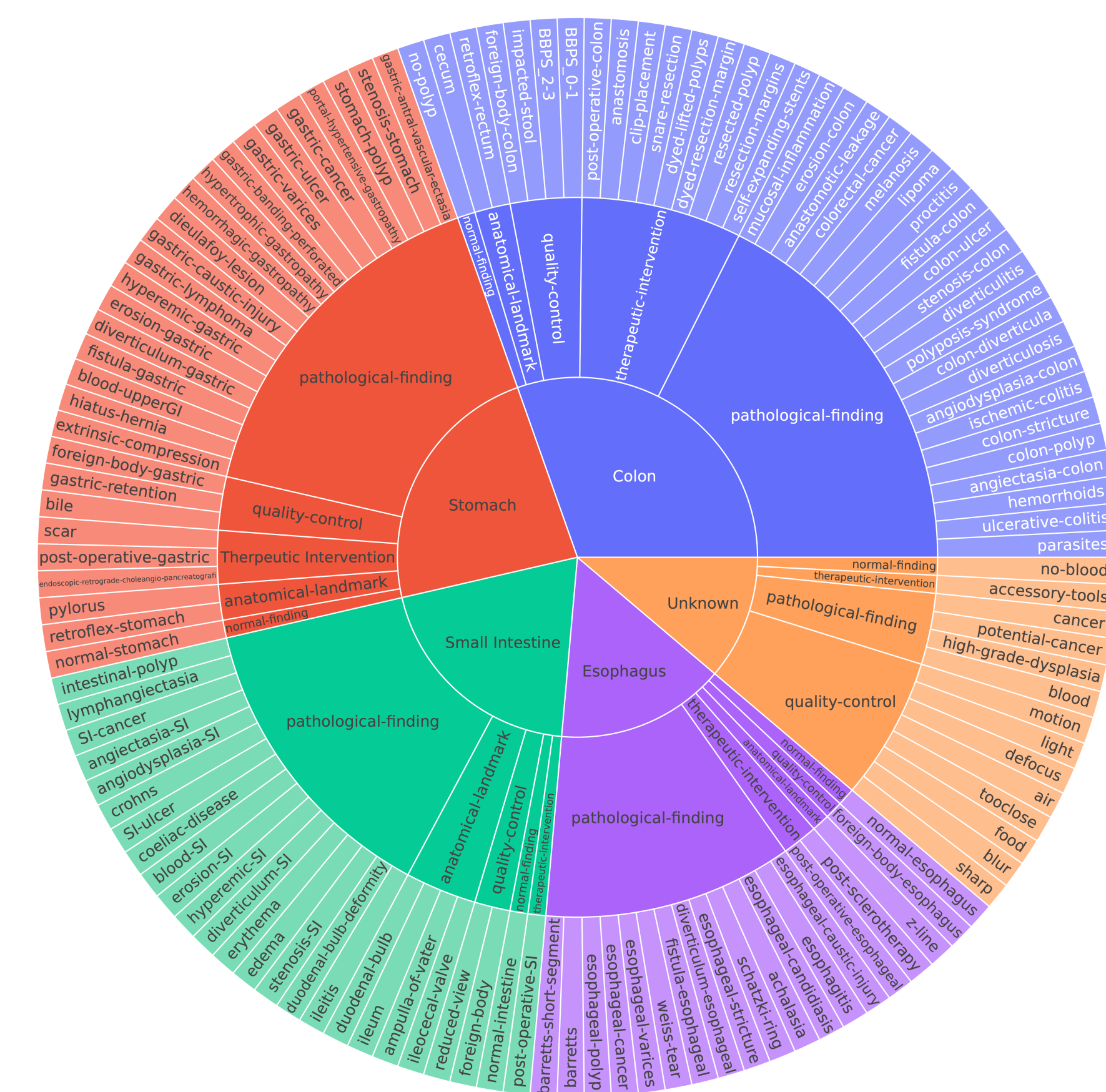


EndoGeneralist: Clinically Aligned Generalist Foundation Model for Endoscopy

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PanEndoAtlas		Results			
<div><div><div>22 Datasets</div></div><div><div>26 Hospitals</div></div><div><div>13 countries</div></div><div><div>110+ Diseases</div></div></div>					
					
<div>>420K Labeled Images</div> <div>Hierarchical structure enables models to leverage shared features across related conditions, improving performance on long-tail of rare diseases.</div>					
Task	Classes	EndoGeneralist	EndoFM-LV	EndoSSL	
GI Tree Classification	111 classes	0.650	0.570	0.550	
Barrett's Grading	4 classes	0.888	0.733	0.582	
Ulcerative Colitis Grading	3 classes	0.615	0.566	0.508	
Polyp Subtyping	4 classes	0.575	0.500	0.707	
Stomach Anatomical Landmark Classification	3 classes	0.950	0.869	0.798	
Esophagus Disease Classification	13 classes	0.773	0.59	0.55	
Stomach Disease Classification	14 classes	0.542	0.539	0.524	
Small Intestine Disease Classification	20 classes	0.594	0.480	0.624	
Colon Disease Classification	30 classes	0.564	0.623	0.457	
<div>PanEndoX Benchmark: Macro-AUCs reported on test set. Highest value is in red, second highest is in <i>italics</i>.</div> <div><div><div>• EndoGeneralist outperforms models in comprehensive disease classification across GI track (GI Tree classification).</div><div>• EndoGeneralist, trained on 10 million unlabeled images from publicly available datasets, outperforms existing endoscopy foundation models on 6/9 tasks focused on disease identification.</div><div>• Targeted enrichment of specific GI conditions in the pretraining dataset (polyps in EndoSSL) leads to superior performance on the GI condition but poor generalization to other diseases.</div></div></div>					