## Retrieval evaluation and distance learning from perceived similarity between endomicroscopy videos

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## 1 Supplemental material

Bhattacharyya distance	L = +2	L = +2	L = +2	L = +1	L = +1	L = -1
between $\operatorname{Hist}(L)$ and $\operatorname{Hist}(L')$	L' = +1	L' = -1	L' = -2	L' = -1	L' = -2	L' = -2
30x3-fold-Dense-Sift-learn	0.148	0.249	0.351	0.118	0.175	0.100
30x3-fold-Dense-Sift	0.088	0.205	0.286	0.080	0.135	0.064
Dense-Sift	0.079	0.299	0.528	0.093	0.221	0.045
Textons	0.058	0.213	0.246	0.069	0.091	0.023
Haralick	0.064	0.123	0.250	0.041	0.114	0.047
HH-Sift	0.054	0.150	0.145	0.061	0.050	0.030

**Table 1:** Measures of separability (Bhattacharyya distance) between the *L*-scored histograms  $H_L$  for each CBIR method.

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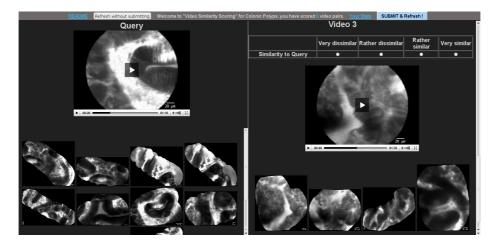


Fig. 1: Screenshot of the online VSS tool: visual similarity scoring between the reference Video Query and the candidate Video 3. Each video is summarized by a set of mosaic images. Vertical scrollbars allow to see more mosaics of the Video Query (on the left), or the two other candidate videos 1 and 2 with their mosaics (on the right).