5.2.2 – Oral cancer classification.

Today the common practice at odontological clinics and mobile registration units is the registration of human oral cavity using still picture or video CCD color cameras. The goal is to detect potentially precancerous lesions from harmless lesions. In this project the task is to implement a computer aided diagnosis system using training examples from two classes: potentially precancerous lesions (leukoplakia) and harmless lesions (lichenoid reactions).

You will be given a number of training examples with extracted color and shape features and the "ground truth" diagnosis. You may choose a free classifier (e.g. kNN, Bayes minimum error, SVM etc.).
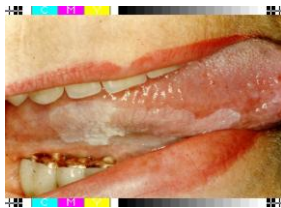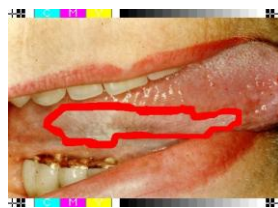

Fig.1 An oral lesion.   Fig.2 The boundary of the lesion.

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