Dental radiographs

Step 1: Region of interest
  a. Contrast stretching
  b. Cropping area around mental foramen

Step 2: Image enhancement
  a. Histogram equalization
  b. Thresholding algorithm
  c. High-pass filtering

Step 3: Cortical margin
  a. Distance function
  b. Dynamic programming
  c. Masking
d. Inserting disc
e. Identifying upper and lower boundaries

Step 4: Distance measurement
  a. Smoothing and polynomial function

Step 5: Classification
  Support Vector Machine method