CBG_PROCESS

1. convert_image_byte_to_float
2. convert_image_float_to_byte
3. convert_bgr_to_hsv
4. convert_hsv_to_bgr
5. cbg_process

SHARPENING

1. fsiv_create_gaussian_filter
2. fsiv_extend_image
3. fsiv_create_sharpening_filter
4. fsiv_image_sharpening

UNDISHORT

1. fsiv_generate_3d_calibration_points
2. fsiv_find_chessboard_corners
3. fsiv_calibrate_camera
4. fsiv_draw_axes
5. fsiv_save_calibration_parameters
6. fsiv_compute_camera_pose
7. fsiv_load_calibration_parameters
8. fsiv_undistort_image
9. fsiv_undistort_video_stream

BCKSEGM

1. fsiv_remove_segmentation_noise
2. fsiv_segm_by_dif
3. fsiv_apply_mask
4. fsiv_learn_gaussian_model
5. fsiv_segm_by_gaussian_model
6. fsiv_update_gaussian_model

HISTAPATHOLOGY

1. **fsiv_create_knn_classifier**
2. **fsiv_create_svm_classifier**
3. **fsiv_create_rtrees_classifier**
4. **fsiv_train_classifier**
5. **fsiv_make_predictions**
6. **fsiv_load_knn_classifier_model**
7. **fsiv_load_svm_classifier_model**
8. **fsiv_load_rtrees_classifier_model**
9. **fsiv_compute_confusion_matrix**
10. **fsiv_compute_accuracy**
11. **fsiv_compute_mean_recognition_rate**
12. **fsiv_compute_recognition_rates**