## **Kidney Stone Detection Process** (work flow)

Input Handling Preprocessing **Edge Detection** Morphological Operations **Extract input** Stone Masking frame from Convert to **Output Results** video or enter Detect edges grayscale, Perform hole reduce noise, using Sobel, an image input Prewitt and Apply mask on and apply filling, Canny methods denoising, and ROI to detect Display results thresholding morphological and decision kidney stone operations (ROI on stone areas selection) detection