SI. No	Title	Authors	Year	Technique	Merits	Demerits
1	A gesture- based tool for sterile browsing of radiology images	JUAN P. WACHS, PHD, HELMAN I. STERN, PHD, YAEL EDAN, PHD, MICHAEL GILLAM, MD, JON HANDLER, MD, CRAIG FEIED, MD, PHD, MARK SMITH, MD	2008	"Gestix," a vision-based hand gesture capture and recognition system that interprets in realtime the user's gestures for navigation and manipulation of images in an electronic medical record (EMR) database is used. Navigation and other gestures are translated to commands based on their temporal trajectories, through video capture.	Ease of use, Rapid reaction, An unencum bered interface, Distance control—the hand gestures can be performed up to 5 meters from the camera	The setup time for the whole "Gestix" system was approximately 20 minutes.
2	Hand- gesture- based sterile interface for the operating room using contextual cues for the navigation of radiological images	Mithun George Jacob, Juan Pablo Wachs, Rebecca A Packer	2012	Computer vision algorithms were developed to extract intention and attention cues from the surgeon's behavior and combine them with sensory data from a commodity depth camera.	It uses environmental cues to determine intent allowing the user to perform gestures anywhere in the field of view of the sensor and also the framework can be extended to a large gesture vocabulary.	The tracking algorithm occasionally failed in the presence of several people in the camera field of view.

REALISM: David Louis M. Real-Time Achacon Jr., Hand Denise M. Carlos, Gesture Maryann Kaye Interfacefor Surgeons T. Clarin, and Medical Prospero C. Experts Naval, Jr.	2010	The project was developed using OpenCV, a computer vision library originally developed by Intel and Cascade Classifiers, PCA and Nearest Distance Matching.	The hand detection module was able to achieve higherprecision and recall in well lighted environment.	Although the system detects most of the hands present in the camera's vision, it still misclassify some objects as hands. The performance was not that good in poorly illuminated environment
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