A GESTURE BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES – LITERATURE SURVEY

| S.NO | TITLE OF THE JOURNAL | AUTHOR NAME | TECHNIQUES/PUBLICATION | YEAR | DESCRIPTION |
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| 1. | A Gesture-based for sterile browsing of radiology images | Jean P,Wachs,Helman.L.Stern,Yael Edan,Michael Gillam | the color model back-projection and motion cues , the 2D coordinate | 2008 | Computer information technology is increasingly penetrating into the hospital domain. |
| 2. | Head-mounted gesture controlled interface for human-computer interaction | Memo,Alyise and Zanuttigh Pietro | Head mounted display,Gesture recognition, Human-computer interface, Augmented reality, Depth data | 2018 | multi-dimensional structure fed to an SVM classifier, innovative human- computer interaction, novel human- computer interaction system |
| 3. | Gesture Recognition of RGB and RGB-D Static Images Using Convolutional Neural Networks | Khari, Manju and Garg, Aditya Kumar and Crespo | American Sign Language, Image Processing, CNN, Gesture Recognition | 2019 | VGG19 model, 94.8% recognition rate |
| 4. | Virtual reality for user-centered design and evaluation of touch-free interaction techniques for navigating medical images in the operating room | Reinschluessel, Anke Verena and Teuber, Joern and Herrlich, Marc and Bissel, Jeffrey and van Eikeren, Melanie and Ganser, Johannes and Koeller, Felicia and Kollasch, Fenja and Mildner, Thomas and Raimondo, Luca | Vision-Based User Interfaces, CNN,Image Recognition | 2017 | interactive virtual operating room, study interaction methods, evaluated with 20 surgeons |
| 5. | A gesture-controlled projection display for CT-guided interventions | Mewes, Andr and Saalfeld, Patrick and Riabikin, Oleksandr and Skalej, Martin and Hansen, Christian | Human–computer interaction, Computerassisted surgery,Gesture control, Intra-operative visualization | 2016 | CT-based interventions, Direct physician–machine interaction, direct physician–machine interaction, classified using a leap motion controller |
| 6. | Bacterial contaminatio n | Maureen Schultz, Janet Gill, Sabiha Zubairi, Ruth Huber and | Cambridge University Press Bacterial | 2015 | We tested 100 keyboards in 29 clinical areas for bacterial contamination. |

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| | of computer keyboards in a teaching hospital | Fred Gordin | contamination | | Ninety five were positive for microorganisms. *Streptococcus, Clostridium perfringens, Enterococcus* (including one vancomycin-resistant *Enterococcus*), *Staphylococcus aureus*, fungi, and gram-negative organisms were isolated. Computer equipment must be kept clean so it does not become another vehicle for transmission of pathogens to patients. |
| 7. | Real-Time Hand Gesture Interface for Browsing medical images. | Juan Wachs,Hel man Stern,Yael Edan,Mich ael Gillam,Crai g Feied,Mark Smithd &Jon Handler | International Journal of Intelligent Computing in Medical Sciences & Image Processing. | 2016 | A vision based gesture capture system. |
| 8. | A non-contact mouse for surgeon-computer interaction. | Grätzel, C. Fong, T.; Grange, S. Baur, C. | Technology and Health Care, vol. 12, no. 3, pp. 245-257, 2004 | 2004 | Developed a system that uses computer vision to replace standard computer mouse functions with hand gestures. The system is designed to enable non-contact human-computer interaction (HCI), so that surgeons will be able to make more effective use of computers during surgery. |