

Neuro-Drill-Stencil-Trainer

Salient features of the technology

- This is a simple stencil that can be used to impart training under microscope for drilling procedures in neurosurgery.
- The stencil precisely demarcates the constrained region of bone for microscopic drilling procedure.
- The stencil is easy to use on flat as well as curved surface of bones.
- The method of drilling with the neuro-drill stencil trainer can be recorded using a microscope and subjected to offline analysis.
- The technology has been developed up to laboratory scale and prototype also developed.
- Third party validation of the technology has been done.
- It is developed by All India Institute of Medical Sciences, Delhi and Indian Institute of Technology, Delhi in collaboration with ICMR.
- Application for Indian patent and international application through PCT have been filed.
- The technology is also Design protected.