

HI TECH NEUROSURGERY WHERE DO WE STAND?

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Kolkata

India

HI TECH NEUROSURGERY

WHERE DO WE STAND?-BARE NECESSITIES

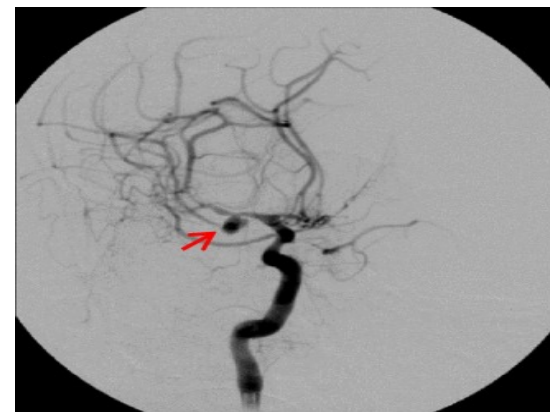
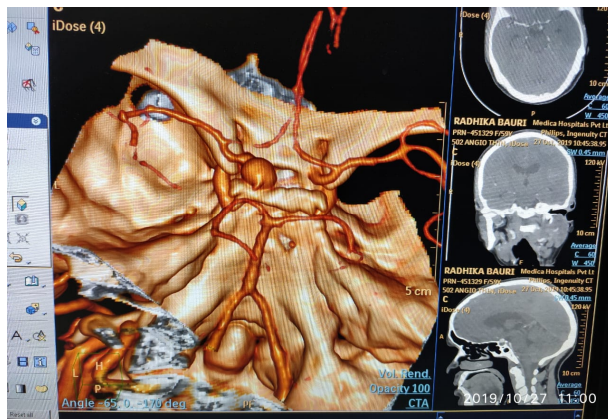
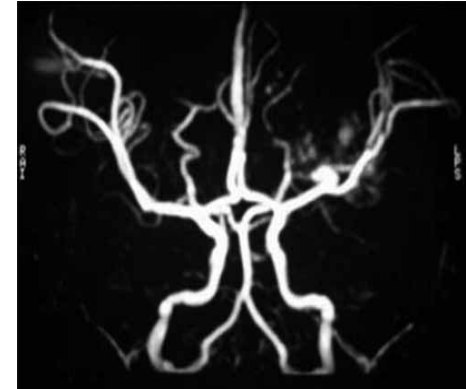
- STRONG CLINICAL BASIS
- PROPER TRAINING TO UNDERSTAND INVESTIGATIONS, EQUIPMENTS AND GADGETS
- SYTEMATIC APPROACH
- PRIMUM NON NOCERE
- HUMAN APPROACH
- MINIMUM COST OPTIMUM INVESTIGATION
- QUICK DIAGNOSIS
- COUNSELLING
- INFORMED CONSENT
- BREAKING A BAD NEWS

THE BEGINNING

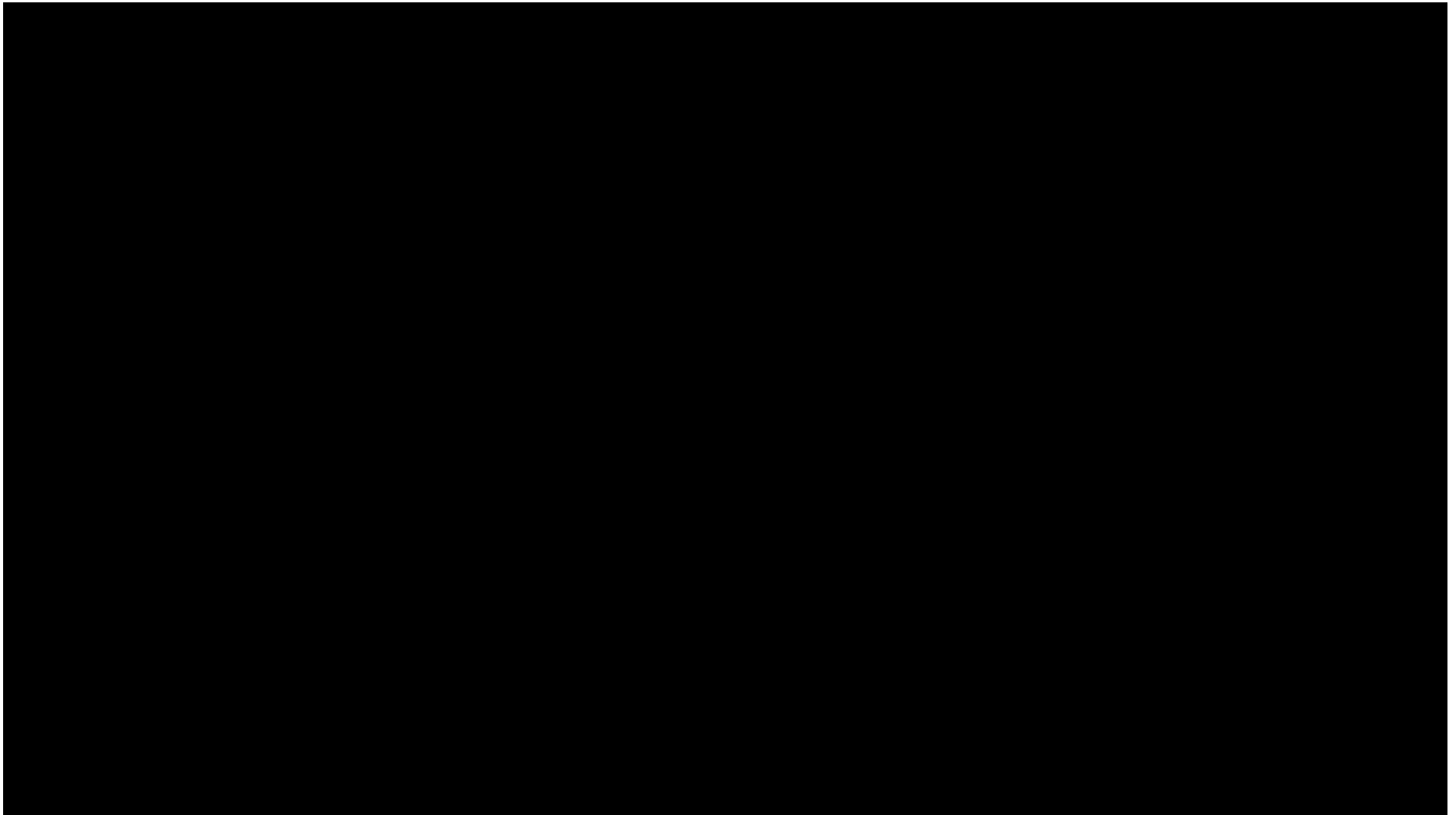




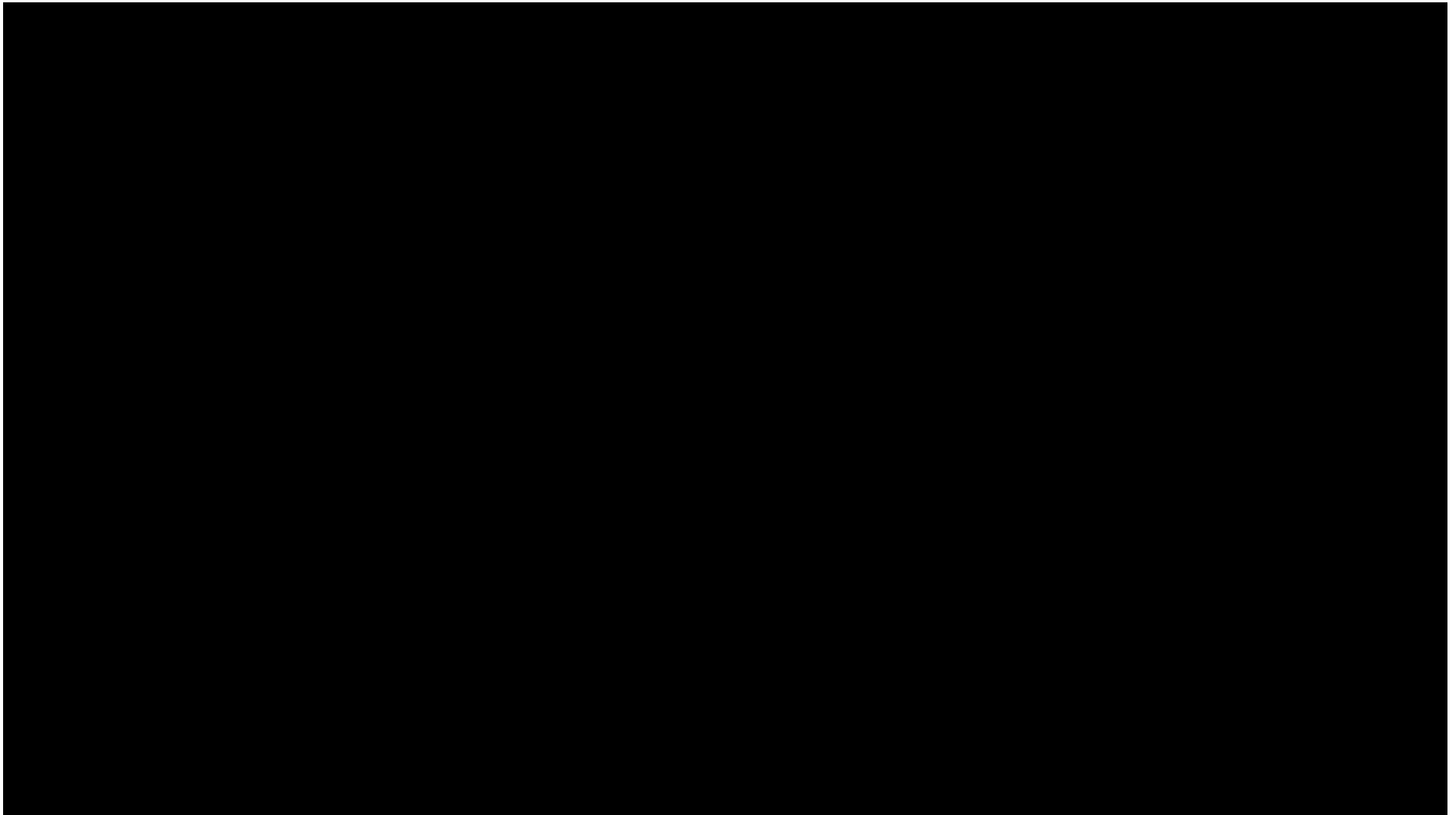
SURGERY FOR ANEURYSMS(IA) FINAL ANSWER! OUR EXPERIENCE



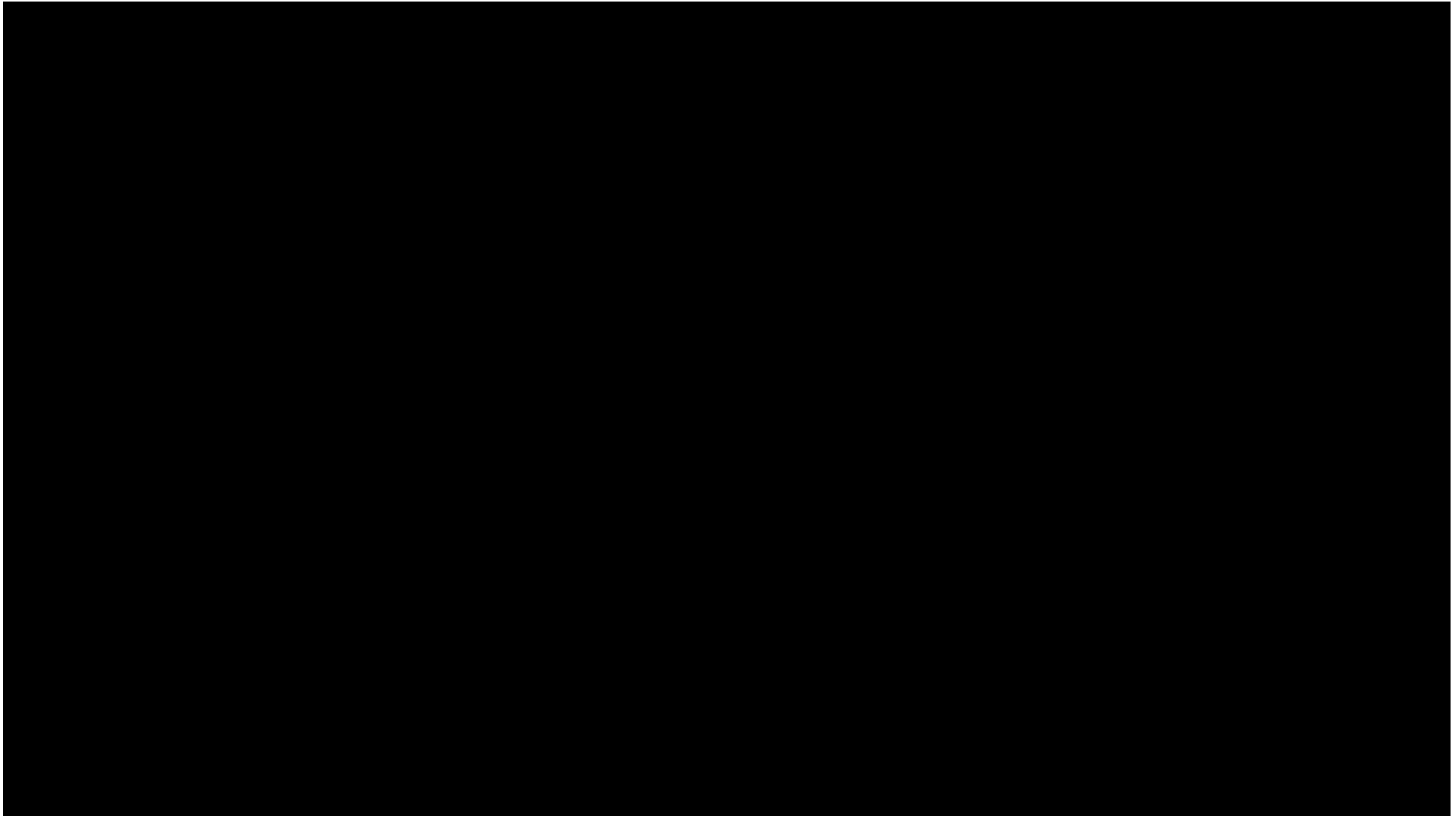
CERVICAL SPINE MICROSURGERY



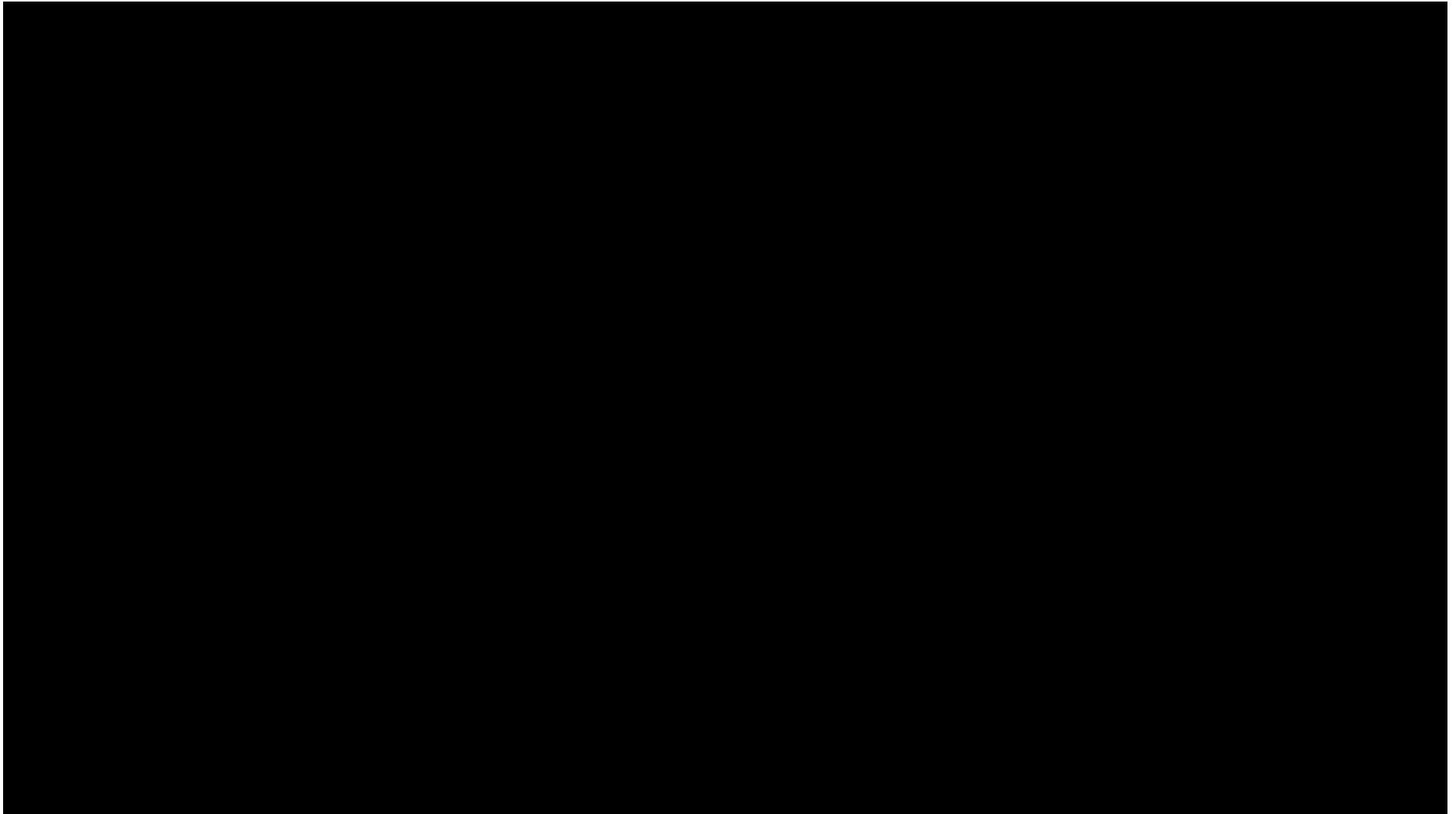
COLLOID CYST MICROSURGERY



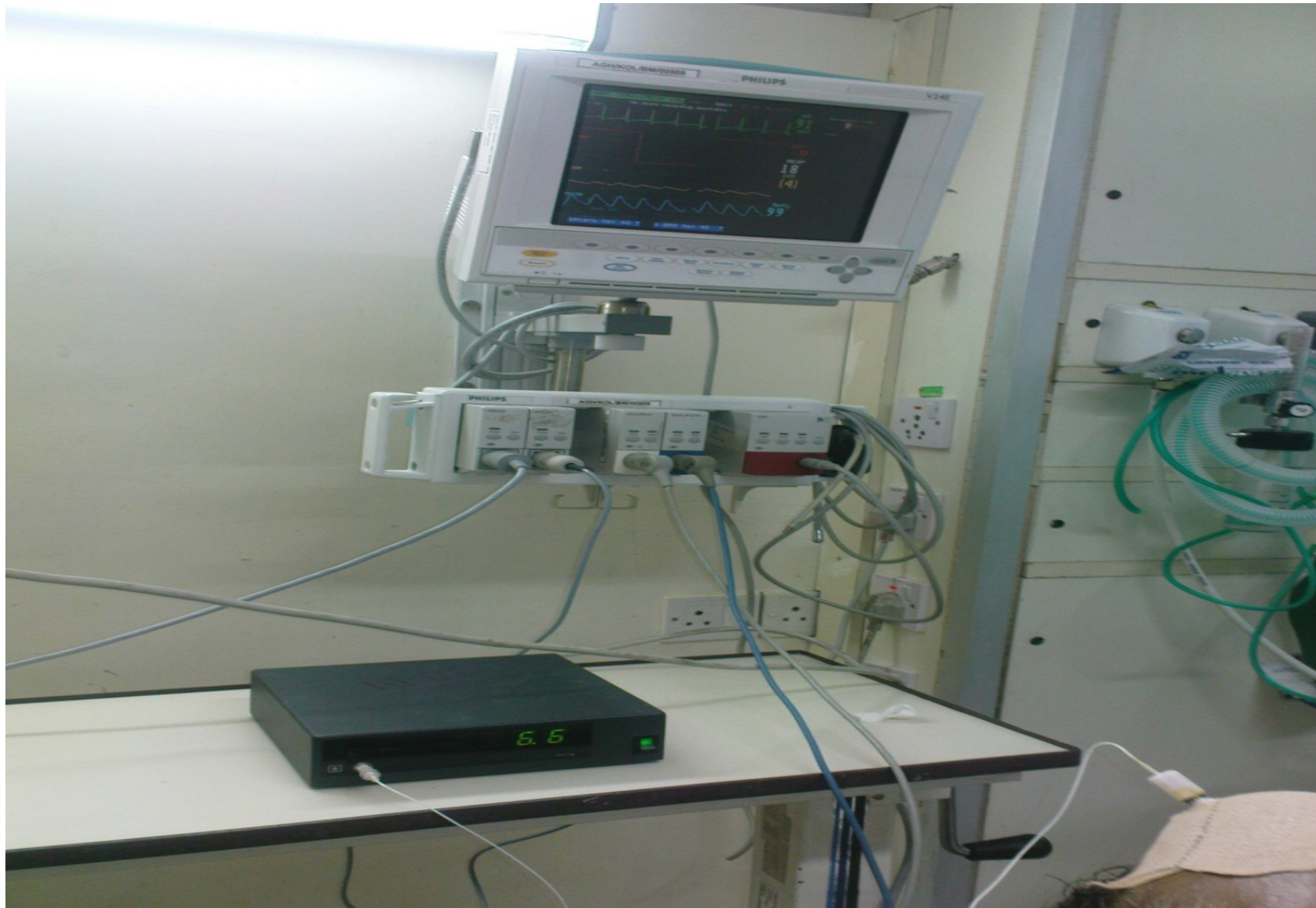
BRAIN ANEURYSM(CO) CLIPPING MICROSURGERY

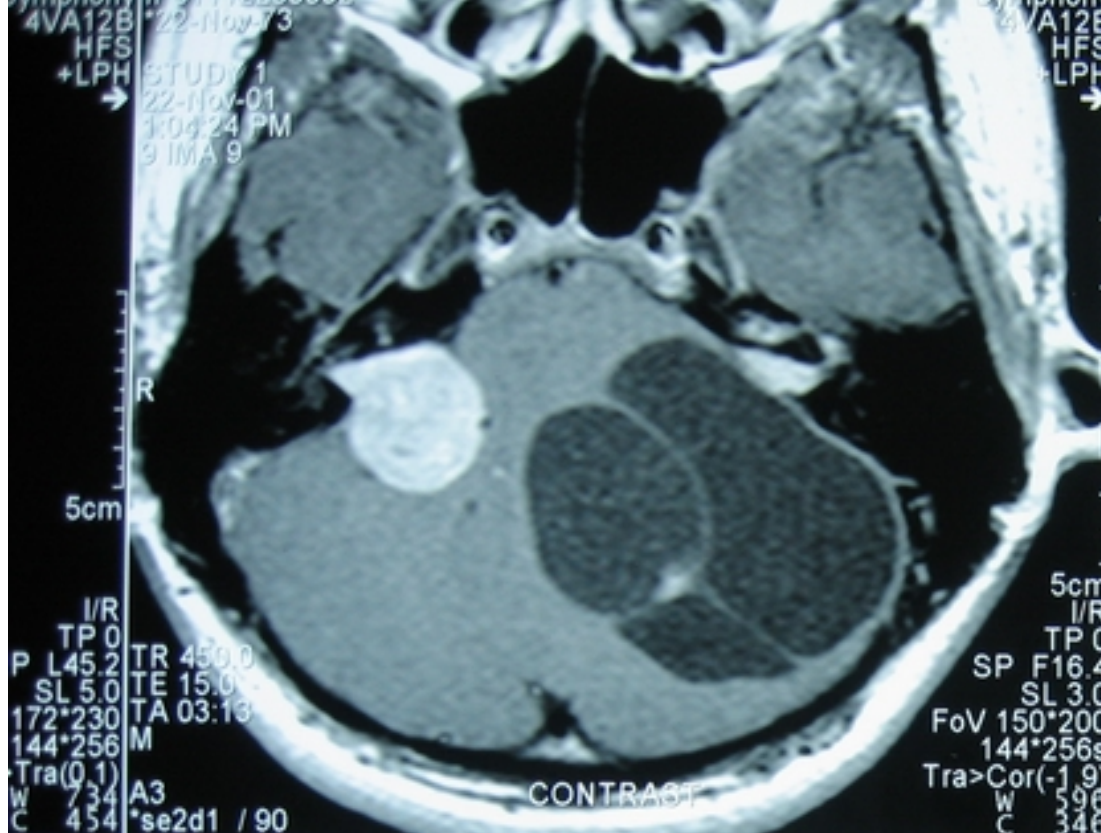


BRAIN ANEURYSM CLIPPING MICROSURGERY



MONITORING(SPIEGELBERG)



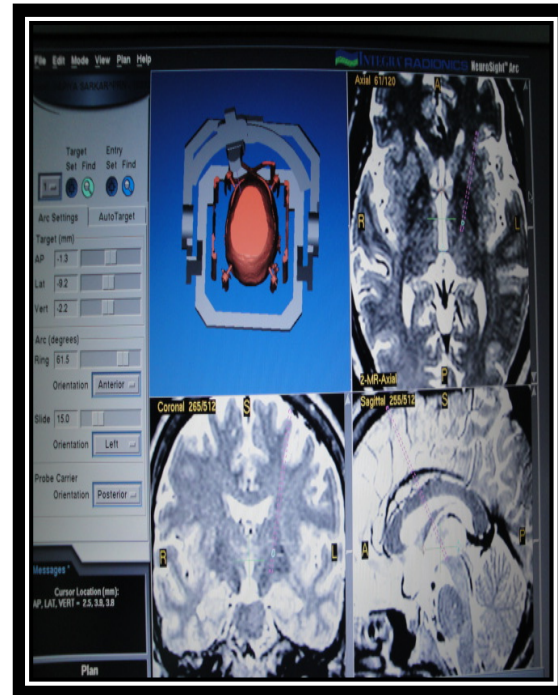




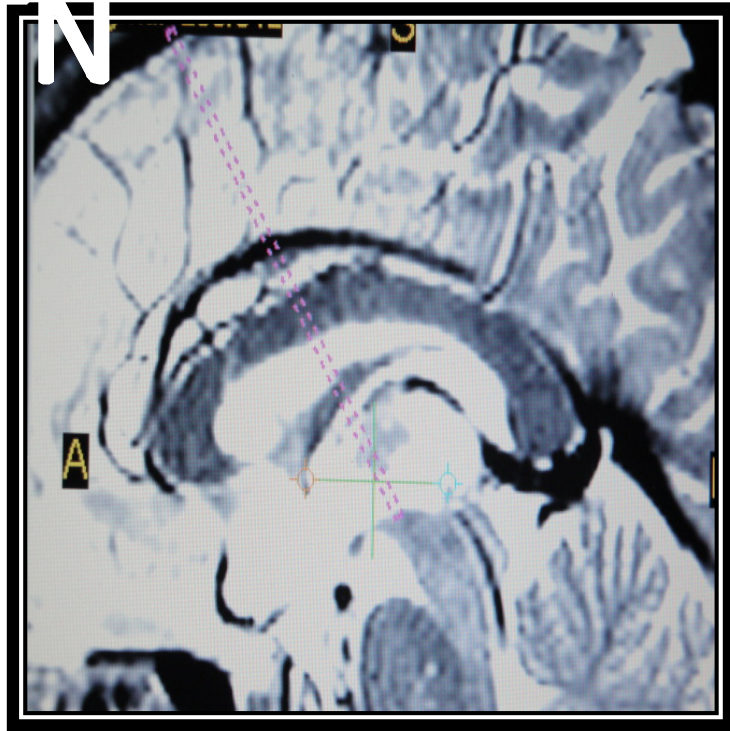
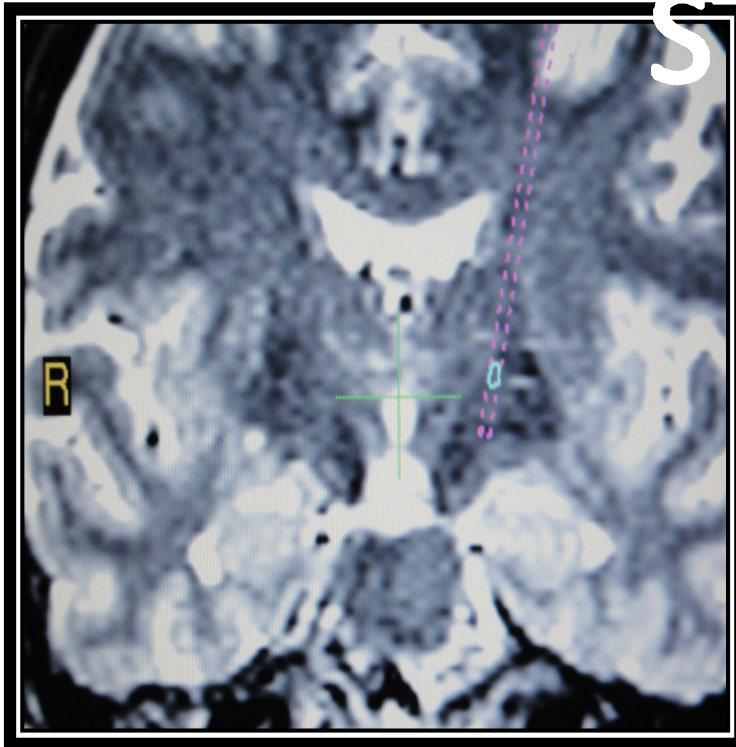
Functional Neurosurgery, Current and Future Directions

Professor Tipu Z Aziz, D.Med.Sci
Nuffield Department of Surgery
University of Oxford





S
N



INTRA-OPERATIVE CLINICAL MONITORING













FRAMELESS STEREOTACTIC BIOPSY

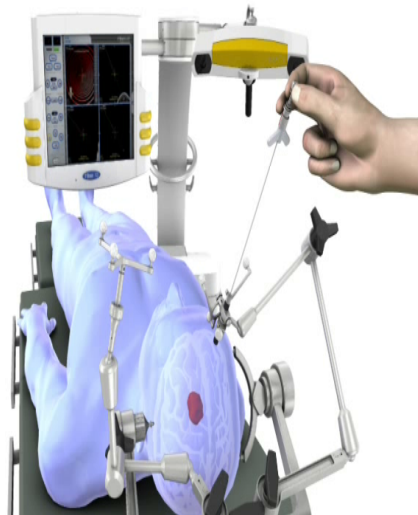
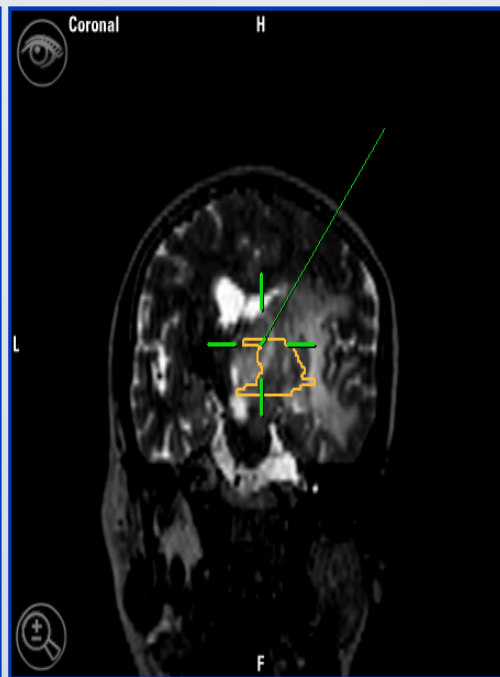
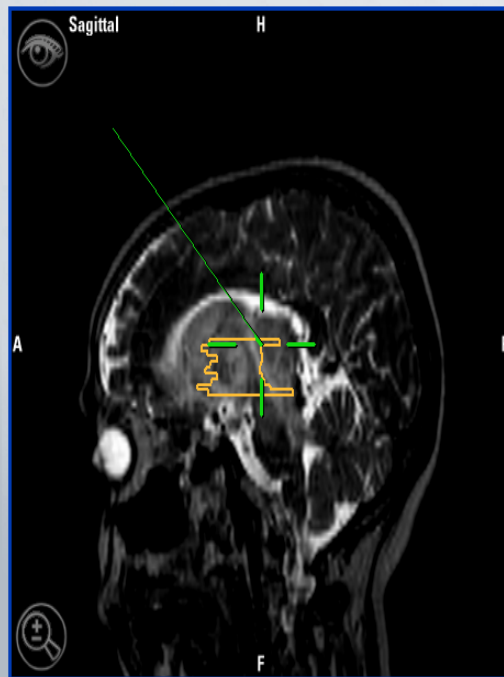
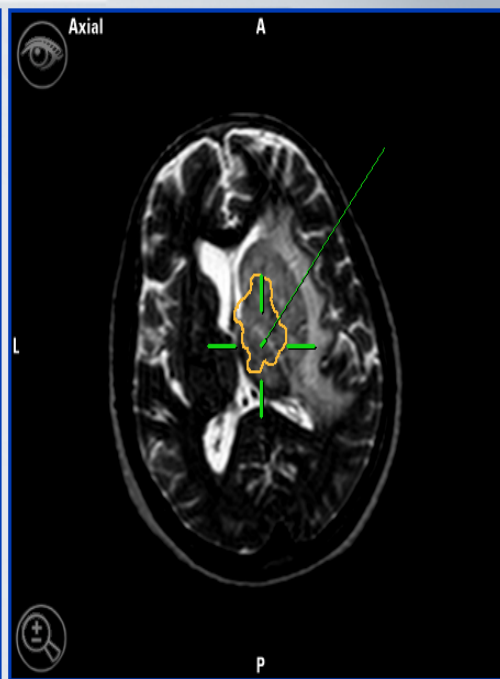
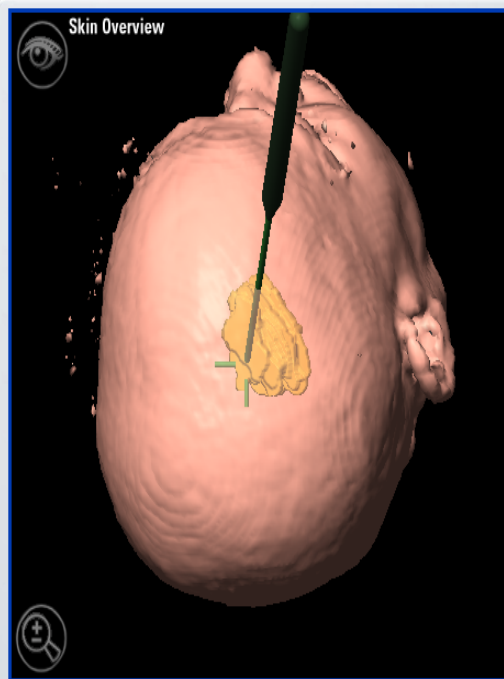


IMAGE GUIDED(BRAINLAB) MICROSURGERY(PENTERO)

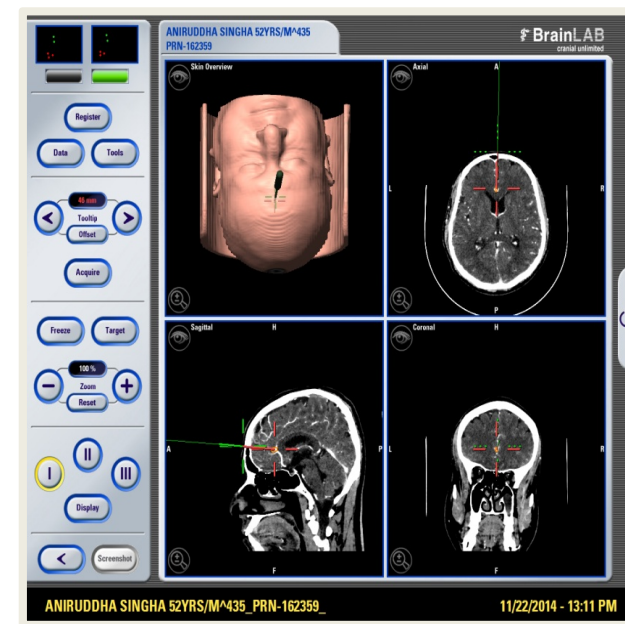
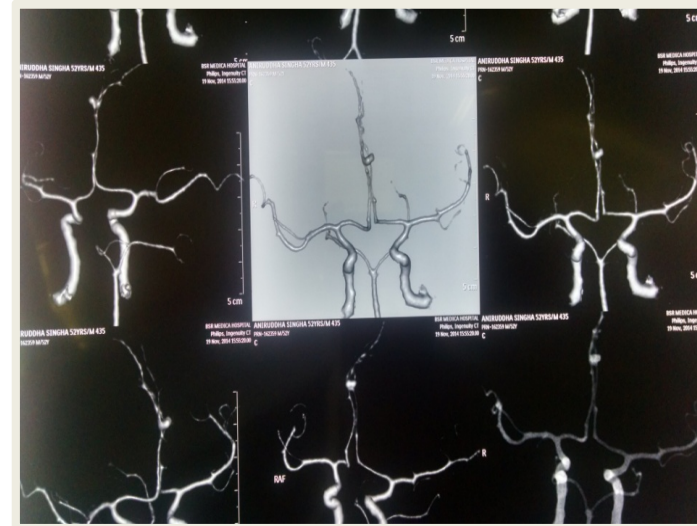
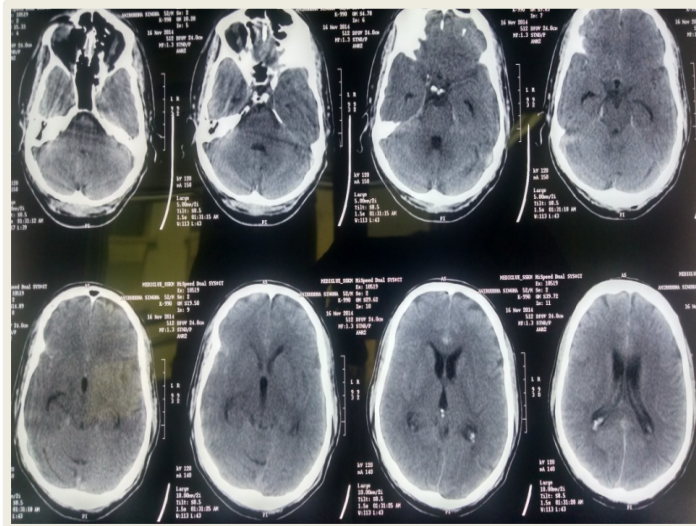




Control panel with various buttons and sliders. At the top, there are two small windows showing a 3D view of the tumor. Below them are buttons for 'Register', 'Data', and 'Tools'. A slider is set to '0 mm' with 'Tooltip' and 'Offset' buttons. An 'Acquire' button is below. Further down are 'Freeze' and 'Target' buttons. A zoom slider is set to '100%' with '-' and '+' buttons, and a 'Reset' button. At the bottom are 'Screenshot' and a right arrow button. A 'Display' button is also present.



DACA ANEURYSM-NAVIGATION GUIDE

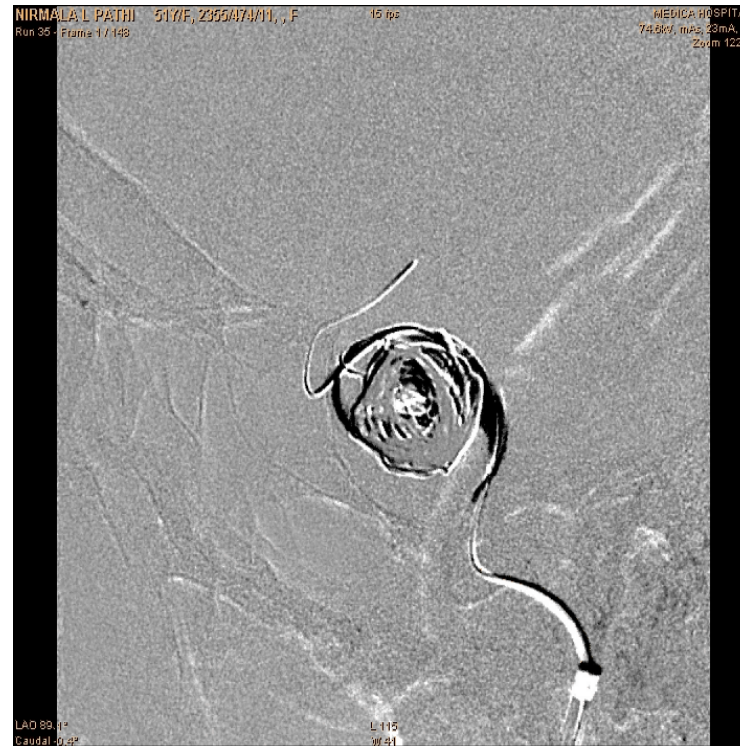


CAVERNOUS ICA ANEURYSM

DURING COILING




COMPLETION OF COILING





HEALTH AWARENESS

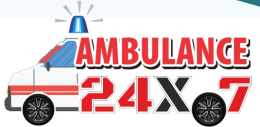

**BRAIN
STROKE**



**Symptoms of
Brain Attack**

- Face drooping
- Arm or Leg weakness
- Speech problem
- Sudden Headache
or Vomiting

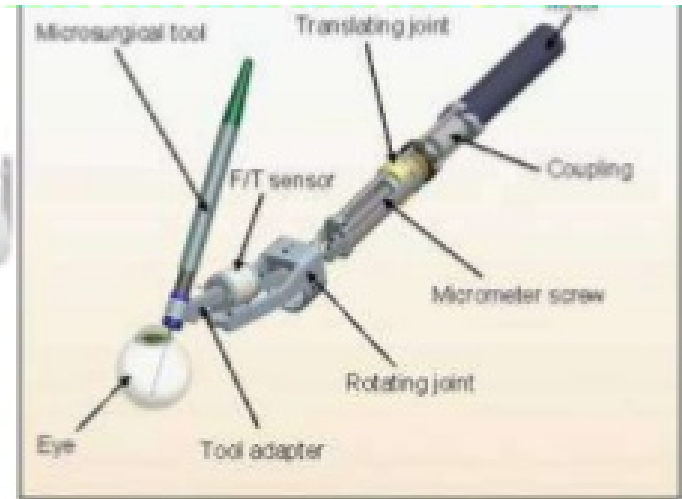
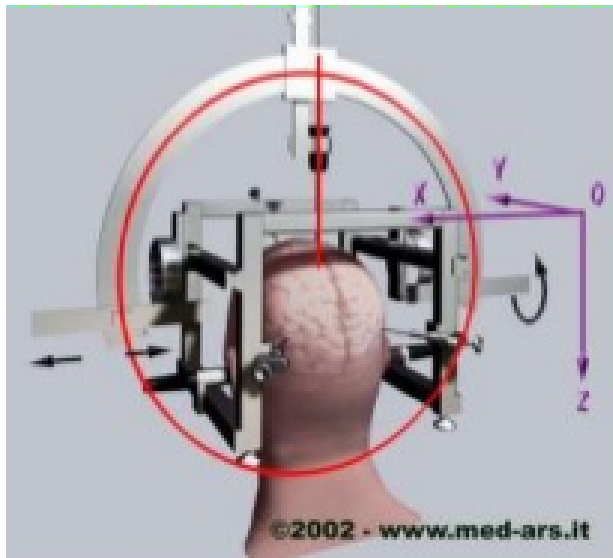
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MEDICA Superspecialty Hospital
caring for life
KOLKATA

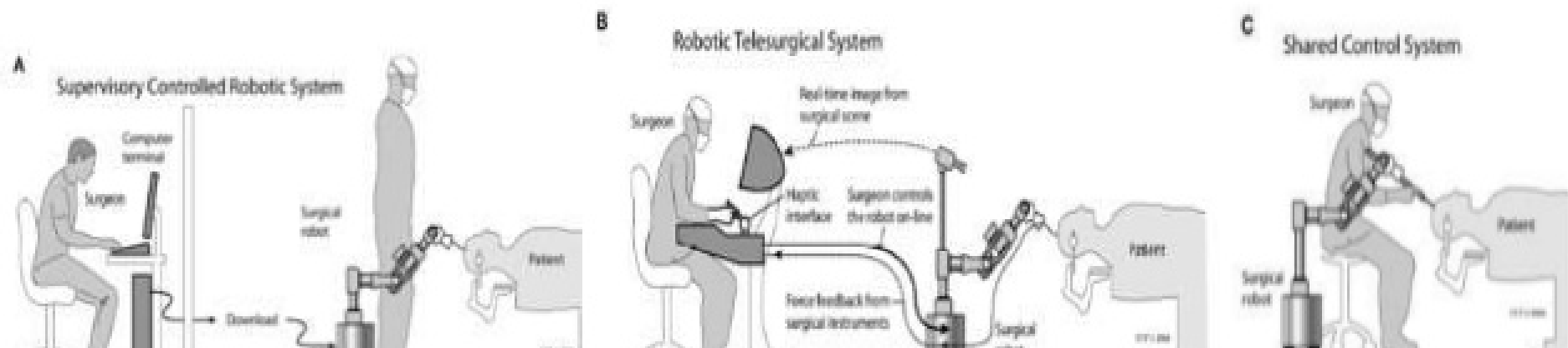
127 Mukundapur, E.M Bypass, Kolkata 700099, Phone: 033 66520000, Fax: 033 24264967,
e-mail: contactus@medicahospitals.in, Website: www.medicahospitals.in

ROBOTICS



ROBOTICS

- 1. Supervisory-Controlled Systems
 - Surgeon performs motion before surgery and robot repeats motion
- 2. Telesurgical Systems
 - Surgeon uses haptic interface to control robot
- 3. Shared-Control System
 - Surgeon and robot share the surgery






online complain
satisfaction feedback
services business
guarantee
CUSTOMER client
help assurance consumers
SERVICE answers
policy per information





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BLESSED





IDEAL NEUROSURGEON

CALM

ABILITY

ORDER

GRACE

SACRIFICE

TENDERNESS

TRAINING

MEDIA

CONSCIENCE

POWER OF FAITH





THANKYOU