

4/6/26

TECHNICAL SPECIFICATION FOR ELECTRO HYDRAULIC OT TABLE FOR NEUROSURGERY

State of Art Operation Table for performing advanced in Neurosurgery. It should be highly technical, sturdy, durable, compact and user friendly and corrosion proof.

It should have C- arm compatible and electric or electrically controlled hydraulic drive. All table top movements like elevation, side tilt, Trendelenburg, flexion at various point and their reciprocal movement, should be power actuated.

Should be supplied with all standard accessories for performance of surgery like Head Rest, Arm Boards – 2 Nos, Mattress – 1 No.

Availability of wireless or wired remote control and alternative control (Auxiliary) should be available.

Should have feature like '0' positioning (bringing back table to normal position from any position by one touch of button), locking and unlocking of base, facility to change orientation of patient forward to reverse or table top sliding both head and leg side.

Should have mattress made up of special foam to support the patient and prevent pressure sores and should be antistatic.

Table top should be x ray translucent top. Table top should permit x ray penetration and fluoroscopy with full length x ray cassette tunnel accessible from either end.

100% Kidney Bridge position should be obtained without moving the patient, thru' remote Control by using extension/break function.

Cranial and caudal traverse at least 350 mm or more.

Head section adjustment ± 45 degree and should be detachable.

Table top should be of water proof and disinfectant proof and highly durable.

Should have central floor locking system with help of remote control

Head and leg section should be interchangeable with reverse orientation button should be available in the remote

Battery backup should be of minimum 5 hours or minimum 50 nos. of operations.

System should have US FDA and European CE certificate and certificate to be submitted.

Shall meet internationally recognized standard for Electro Magnetic Compatibility (EMC) for electro medical equipment: IEC-60601-1-2: latest edition) or should comply with 89/366/EEC; EMC-directive as amended

Certified to be compliant with IEC 60601-2-46: Particular requirements for the safety of Operating Tables: latest edition or equivalent.



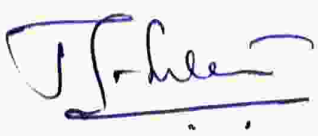
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General construction feature

	ELECTRO HYDRAULIC OPERATION TABLE DESCRIPTION	
01	Radiolucent tabletop	✓
02	Point power brake	✓
03	Back light hand control	✓
04	Adjusting leg section with Gas spring function	✓
05	Auxiliary Control	✓
06	Auto Leveling	✓
07	Casters Rotation 360 deg	✓
08	Head Rest and Leg Plates can be interchangeable	✓

Technical Specifications

01	Trendelenburg angle (degrees)	+ / - 30
02	Tilt angle (degrees)	Min + / - 20
03	Slide (mm/inch)	Min of 360 mm
04	Back section angle (degrees)	Min of + 70 / - 30
05	Motorized leg sections angle (degrees)	+ 70 / - 105
06	Max Lo height (mm/inch)	540 or less
07	Max Hi height (mm/inch)	1010 mm or more
08	General height (mm/inch)	585 mm – 885 mm
09	Table top width (mm/inch)	520 mm or more
10	Number of table top sections	4 -- 6
11	Safe working load (SWL)	250 kg or more
12	Lifting capacity	270 kg or more
13	Number of memory positions	01
14	Mattress type	VEF 80 MM OR NEW NANO Ag+


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		Technology
15	Electrical brakes	✓
16	Battery operated (Li ion)	✓
17	Standard back section compatibility	✓
18	Kidney-bridge back section compatibility	✓
19	Accreditation	CE & FDA approved

Accessories

Skull clamp with adult and pediatric pins – Mayfield or DORO (Non radiolucent skull clamp with adult and pediatric pins) 3 pin skull clamp, Base unit, Reusable stainless steel pediatric pin- 3 pins, Reusable stainless steel adult pin – 3 pins, Horseshoe Headrest)

Carbon Fiber Extension Plate – 1 No

Wilson Frame – 1 No

Cervical Extension Frame – 1 No

Anesthesia's screen frame -01

Lateral support – 02 pair

Body strap -03

Arm Board -02

Clamp, Rotary – 04 Pcs

Clamp Circular -04 Pcs

Accessories stand Mobile on castors -01

Arm support perplex -02 Pcs

Sitting position attachment -01

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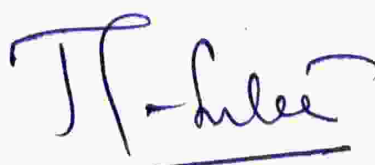
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Technical specification of 4pin Head Fixator

- Head frame should be compatible to our existing OT Table.
- It should have good range of movement for extension and flexion with ball and socket joint.
- Basal frame should have self-retaining retractor arms, Scalp hook retractors, Patty holder, Instrument receptacles and Arm rest

Following accessories as standard

Sl. No.	Description	Qty In Nos.
1	It should have Light weight semicircular frame with steel inserts to house 4 nos. of head pins which should freely move on its axis	1
2	Self-retaining retractor arms, long (Leyla retractor)	2
3	Malleable Spatula with sizes – 2mm/4mm/6mm/8mm/10mm with minimum length of 200mm.	1 (each size)
4	Spring Scalp hook retractor with adjustable length	6
5	Patty holder	1
6	Arm rest support with adjustable height and angle	2
7	Instrument receptacle	2
8	Head pins - Sizes: Adult /Medium/pediatric	4 Nos. (each size)
9	Horse shoe attachment – width adjustable with Soft cushion and traction attachment & Sitting position attachments (Adult and Pediatric)	1
10	Universal Keys	2
11	Should be provided with Sterilization box	2
12	The product should be CDSCO approved.	



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