

Neurology

DRAFT - Environmental Set-up Guide



Original resource developed by <https://operatingtheatreassistant.com>



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Document Status: Draft – Needs review and photos updated



Surgical Setups

As of: 2025 March 14

Contents

| | |
|--|----|
| 1. Overnight Setup (+ Patslide and slide sheets on top)..... | 3 |
| 2. Anterior Cervical Discectomy Fusion (ACDF) With Xray V1..... | 4 |
| 3. Anterior Cervical Discectomy Fusion (ACDF) With Xray V2..... | 5 |
| 4. Anterior Cervical Discectomy Fusion (ACDF) With Xray V3..... | 6 |
| 5. Anterior Cervical Discectomy Fusion (ACDF) With Xray V4..... | 7 |
| 6. Anterior Cervical Discectomy Fusion (ACDF) With Xray V5..... | 8 |
| 7. Carpal Tunnel Repair (Left)..... | 9 |
| 8. Carpal Tunnel Repair (Right)..... | 10 |
| 9. Cervical Laminectomy – With Xray - With Compress Roll..... | 11 |
| 10. Cervical Laminectomy – With Xray - With Montreal Mattress..... | 12 |
| 11. Cervical Laminectomy – With Xray - With Pillows..... | 13 |
| 12. Craniotomy / Shunt – With Axiom..... | 14 |
| 13. Craniotomy - With Intraoperative MRI With Skull Clamp..... | 15 |
| 14. Craniotomy - With Stealth..... | 16 |
| 15. Inter-Cranial Aneurysm – With Stealth..... | 17 |
| 16. Laminectomy / Microdiscectomy – With Xray V1..... | 18 |
| 17. Laminectomy / Microdiscectomy – With Xray V2..... | 19 |
| 18. Sub-Dural Haematoma / Burr Hole / EVD / ICP (Emergency)..... | 20 |
| 19. Spinal Fusion (Inc TLIF) With O-Arm..... | 21 |
| 20. Spinal Fusion (XLIF) With Xray..... | 22 |
| 21. Trans-Sphenoidal Tumour Resection – Intraoperative MRI With Head Ring..... | 23 |

1. Overnight Setup (+ Patslide and slide sheets on top)

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|---|
| Skytron 3603 Ultraslide Operating Table (Head Section Removed) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Mayfield/Doro Head Section w/ Horseshoe | Fit to head end of table. Tape horseshoe gels if loose and cover. Ensure all sections secure together firmly (do NOT over-tighten). |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25 |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Only SDC required. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Extras Required | Shoulder roll (size may vary), 2x Arm gels, 2x J boards, 1x Pillow, 2x Heel gels, Half-length gel mat, SCD machine, Side support w/ Leg strap required if tilting operating table, bear hugger, foam for pressure areas. <u>Note:</u> If semi lateral Collar & Cuff will be required. |

2. Anterior Cervical Discectomy Fusion (ACDF) With Xray V1

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section fitted) | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Arm boards removed. Sheet draped laterally across table for arm tuck. Desired head-ring placed, on absorbent pad, at head end of table. Brakes applied. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed toward head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 1x gel head-ring, 1x folded towel, 1x rolled towel, 1x shoulder roll (size may vary), 2x arm gel, 1x sheet (arm tuck), 1x Pillows (under knees), 2x heel gel, 1x roll of wide Elastoplast, SCD, bear hugger, foam for pressure areas. |

3. Anterior Cervical Discectomy Fusion (ACDF) With Xray V2

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

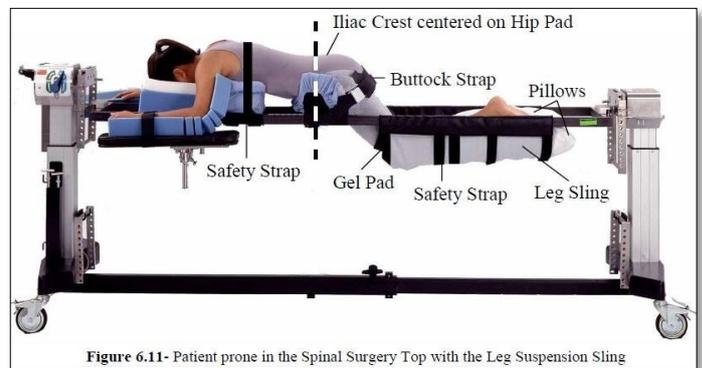
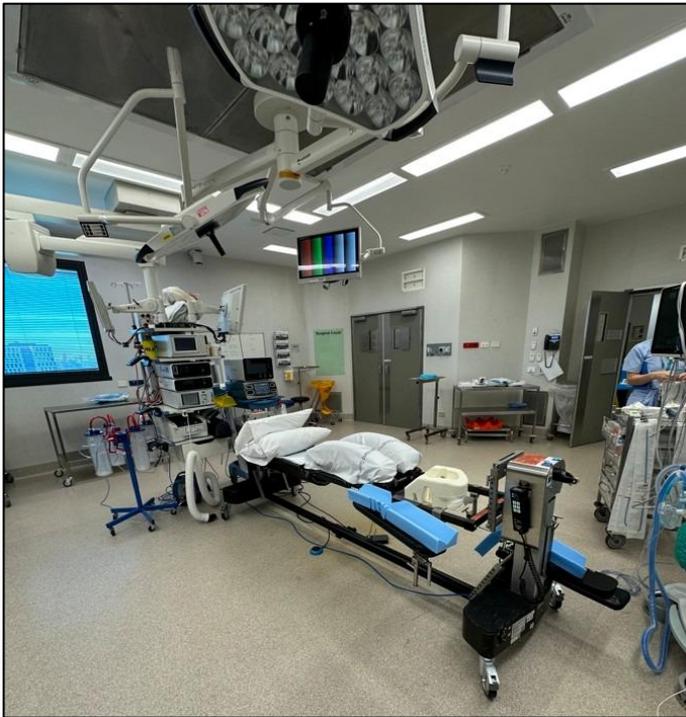


Figure 6.11- Patient prone in the Spinal Surgery Top with the Leg Suspension Sling

| Equipment | Position and Settings |
|---|---|
| Jackson Table w/ Flat Top | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Pin top "H" bar to head end of Jackson table. 1x bed sheet draped across for arm tuck. Note: Ensure brakes applied, all table pins are secured correctly, and base lug is fastened. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed toward head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 1x gel head-ring, 1x folded towel, 1x rolled towel, 1x shoulder roll, 2x arm gel, 1x Pillows (under knees), 2x heel gel, 1x roll of wide Elastoplast, SCD, bear hugger, foam for pressure areas |

4. Anterior Cervical Discectomy Fusion (ACDF) With Xray V3

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section fitted) | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Arm boards removed. Sheet draped laterally across table for arm tuck. Desired head-ring placed, on absorbent pad, at head end of table. Brakes applied. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed toward head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 1x gel head-ring, 1x folded towel, 1x rolled towel, 1x shoulder roll (size may vary), 2x arm gel, 1x sheet (arm tuck), 1x Pillows (under knees), 2x heel gel, 1x roll of wide Elastoplast, SCD, bear hugger, foam for pressure areas |

5. Anterior Cervical Discectomy Fusion (ACDF) With Xray V4

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section fitted) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Arm boards removed. Sheet draped laterally across table for arm tuck. Gel head-ring placed at head end on top of absorbent pad. Brakes applied. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 1x gel head-ring, 1x folded towel, 1x rolled towel, 1x shoulder roll, 2x arm gel, 1x Pillows (under knees), 2x heel gel, 1x roll of wide Elastoplast, SCD, bear hugger, foam for pressure areas. |

6. Anterior Cervical Discectomy Fusion (ACDF) With Xray V5

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|---|
| Jackson Operating Table w/Spinal Frame | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Pre-fit and position both arm-boards, remove left arm-board only and store under table (fit when patient has been positioned). Note: Ensure brakes applied, all table pins are secured correctly, and base lug is fastened. |
| Jackson Positioning Configuration | Fit from head-end to foot-end: Arm boards, face plate, chest plate, 2x regular patient pads, sling fitted with gel mattress and 3 pillows. Black Jackson knuckle to be fitted to frame for surgical retractor, confirm position with surgical registrar. |
| Jackson Pad Pack | 1x Face foam (confirm style with anaesthetic consultant), 2x arm foam, 1x chest pad, 2x patient pad covers. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Full". |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece secured before balancing. |
| Extras Required | Face foam, Jackson pack, 3x pillows, 1x gel mat, 1x sheet, SCD, foam for pressure areas, 2x bear hugger. |

7. Carpal Tunnel Repair (Left)

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

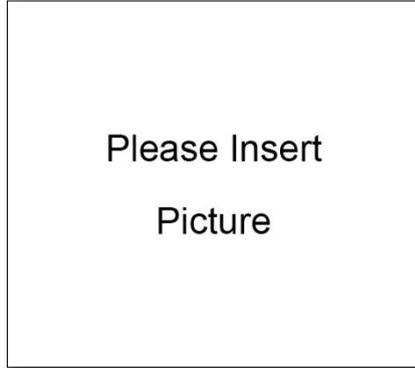
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| <div style="border: 1px solid black; width: 100%; height: 100%; display: flex; flex-direction: column; justify-content: center; align-items: center;"> Please Insert Picture </div> | <p>Consultants: All</p> <div style="border: 1px solid black; width: 80%; margin: 20px auto; text-align: center; padding: 20px;"> <p style="font-size: 24px; font-weight: bold;">Please Insert Picture</p> </div> |
|--|---|

| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section fitted) | Position table laterally, from left-to-right, under ceiling light podium, with foot end towards theatre window. Arm boards removed. Brakes applied. |
| Arm Table | To be fitted to patient's left once positioned on the bed. |
| Tourniquet | Note: Only Dr. Poulgrain will use tourniquet, and only if procedure performed under general anaesthesia. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor under arm table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, beside Stealth. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Full". |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Extras Required | 1x Pillows, 2x J-boards, 1x shoulder roll, SCD, bear hugger, foam for pressure areas |

8. Carpal Tunnel Repair (Right)

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

Consultants: Dr. Stephenson, Dr. Wayne Ng & Dr. Li Yang



| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section fitted) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Arm Table | To be fitted to patient's right once positioned on the bed. |
| Tourniquet | Note: Only Dr. Poulgrain will use tourniquet, and only if procedure performed under general anaesthesia. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor under arm table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Low suction operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Turn on SDC only. |
| Extras Required | 1x Pillows, 1x shoulder roll, SCD, bear hugger, foam for pressure areas |

9. Cervical Laminectomy – With Xray - With Compress Roll

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

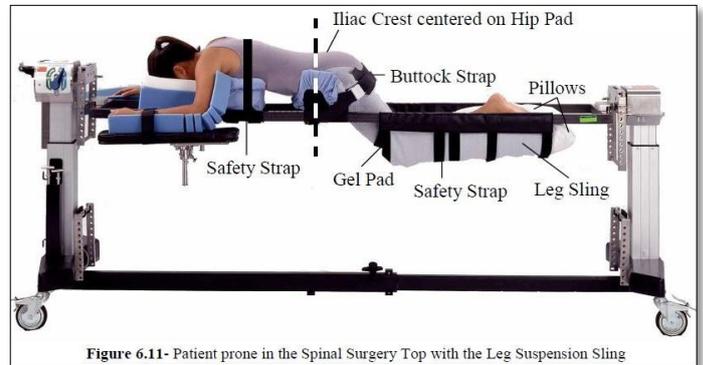


Figure 6.11- Patient prone in the Spinal Surgery Top with the Leg Suspension Sling

| Equipment | Position and Settings |
|--|---|
| Jackson Operating Table w/ Flat Top | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Pin top "H" bar to both head and foot end of Jackson table. * Ensure brakes applied, all table pins secured correctly, and base lug fastened. |
| Jackson Spinal Frame | Head rest and sling removed. Pre-fit frame with chest pad, Regular Patient hip pads, 2x foot plates and all Mizuno-Osi pad covers. Have 2 Jackson pins ready to fit to top "H" frame when. 6 (six) straps will be required to secure patient for the roll, these will be found with Doro Frame inside Blue "Spinal Kit" in the set-up room. |
| Jackson Compatible Doro Frame + Skull Clamp | Doro frame will secure to central "H" bar at head-end of Jackson operating table. Patient will be pinned and secured before the roll occurs. |
| Jackson Pad Pack | 1x chest pad, 2x patient pad covers. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC or Stryker Core Drill (DR's Pref) | Drill to remain attached to stack. Foot pedal to be placed toward head end of operating table and attached to console once the patient is positioned. |
| Jackson Table w/ Flat Top | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Pin top "H" frame to head end of Jackson table. 1x bed sheet draped across for arm tuck. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 4x Pillows, 1x gel mat, 2x sheets, 3x roll of wide Elastoplast, 6x straps, SCD, bear hugger, foam for pressure areas. |

10. Cervical Laminectomy – With Xray - With Montreal Mattress

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section removed) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Arm boards removed. Sheet draped laterally across table, on top of Montreal Mattress, for arm tuck. Brakes applied. |
| Montreal Mattress | Placed directly onto Eschmann pads, to head end of table. |
| Mayfield/Doro Head Section | Fit to head end of table. Horseshoe not required. Ensure all sections secure together firmly (do NOT over-tighten). Place skull clamp on Mayo stand with pins. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Low suction operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 1x Pillows, 1x sheet, 3x roll of wide Elastoplast, SCD, bear hugger, foam for pressure areas. |

11. Cervical Laminectomy – With Xray - With Pillows

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|---|
| Skytron 3603 Ultraslide Operating Table (Head section removed) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Arm boards removed. Sheet draped laterally across table, on top of pillows, for arm tuck. Brakes applied. |
| Mayfield/Doro Head Section | Fit to head end of table. Horseshoe not required. Ensure all sections secure together firmly (do NOT over-tighten). Place skull clamp on Mayo stand with pins. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Low suction operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 5x Pillows (four taped together in pairs, one at the feet), 3x roll of wide Elastoplast, SCD, bear hugger, foam for pressure areas |

12. Craniotomy / Shunt – With Axiom

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

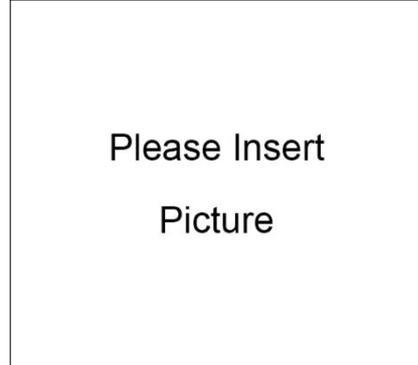


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Picture

| Equipment | Position and Settings |
|--|--|
| Skytron 3603 Ultraslide Operating Table (Head Section Removed) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Mayfield/Doro Head Section w/ Horseshoe | Fit to head end of table. Tape horseshoe gels if loose and cover. Ensure all sections secure together firmly (do NOT over-tighten). |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Medtronic Stealth | Position Stealth to left side of diathermy. Place unsterile corded tracer (found in Stealth drawer) on the mayo stand with adjustable Medtronic arm. Note: Use Medtronic arm with black frame attached, use tongue depressor or comb as a spacer when fitting to the Eschmann rail. |
| Medtronic Stealth Axiom | Hang Axiom on the foot end of the operating table, to the patient's left. Connect Axiom to Stealth system with corresponding coloured cables of which there are 3 as well as the power cord, ie: Green to green, blue to blue, etc. Connect foot pedal and position on floor to head end of operating table. |
| Sonopet | Position Sonopet to left side of Stealth. Place room temperature 500mL bag of sodium chloride, unopened, on IV hanging rail provided. Position foot pedal on floor at head end of operating table. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. SDC, camera and light box required. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (DR Pref) | Drill to be attached to IV pole behind suction unit with 1x 1L bag of room temperature sodium chloride hung above. Foot pedal to be placed at head end of operating table. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Left and Right". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing, eg. if operating on the left side, eye piece to be fitted to right side of microscope. |
| Extras Required | Shoulder roll (size may vary), 2x Arm gels, 2x J boards, 1x Pillow, 2x Heel gels, Half-length gel mat/Megadyne, SCD machine, Side support w/ Leg strap required if tilting operating table, bear hugger, foam for pressure areas. Note: If semi lateral Collar & Cuff will be required. |

13. Craniotomy - With Intraoperative MRI With Skull Clamp

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



| Equipment | Position and Settings |
|---|---|
| Maquet Magnus w/ Transfer Bed and Trolley | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. |
| Carbon Fibre Headset w/ Carbon Fibre Clamp (MRI Compatible Tray) | Fit square plate to head end of table with four lug screws. Use black handled 'star' screwdriver to loosen all joints. Place carbon fibre head clamp (with un-threaded centre hole) on Mayo stand with MRI safe pins. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. Note: Do NOT use Megadyne gel mattress for MRI transfers). |
| Medtronic Stealth | Position Stealth to left side of diathermy. Place unsterile blue control plate, and tracer (found in Stealth drawer) on the mayo stand with the head clamp and adjustable <u>MRI compatible</u> Medtronic arm. Attach foot pedal and position on floor at head end of operating table. |
| Sonopet | Position Sonopet to left side of Stealth. Place room temperature 500mL bag of sodium chloride, unopened, on IV hanging rail provided. Position foot pedal on floor at head end of operating table. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Only SDC required. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patent is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Left and Right". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing, eg. if operating on the left side, eye piece to be fitted to right side of microscope. |
| Extras Required | 1x Pillow, 2x MRI J boards, 2x Heel gels, Half-length gel mat, 2x Arm gels, Shoulder roll (size may vary), SCD machine, Side support w/ Leg strap required if tilting operating table, 2x MRI clearance spacers, 1x Extra Maquet knuckle and ENT arm rest found OT14 (only if ENT surgeon present), bear hugger, foam for pressure areas. |

14. Craniotomy - With Stealth

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



Please Insert
Picture

| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section removed) | Position table straight, front-to-back under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Mayfield/Doro Head Section w/ Skull Clamp | Fit to head end of table. Tape horseshoe gels if loose and cover. Ensure all sections secure together firmly (do NOT over-tighten). Place skull clamp on Mayo stand with pins. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Medtronic Stealth | Position Stealth to left side of diathermy. Place unsterile blue control plate and pointer (found in Stealth drawer) on the mayo stand with the head clamp and adjustable Medtronic arm. Attach foot pedal and position on floor at head end of operating table. |
| Sonopet | Position Sonopet to left side of Stealth. Place room temperature 500mL bag of sodium chloride, unopened, on IV hanging rail provided. Position foot pedal on floor at head end of operating table. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Only SDC required only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill remains attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patent is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Left and Right". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing, eg. if operating on the left side, eye piece to be fitted to right side of microscope. |
| Extras Required | Shoulder roll (size may vary), 2x Arm gels, 2x J boards, 1x Pillow, 2x Heel gels, Half-length gel mat/Megadyne, SCD machine, Side support w/ Leg strap required if tilting operating table, bear hugger, foam for pressure areas. <u>Note:</u> If semi lateral Collar & Cuff will be required. |

15. Inter-Cranial Aneurysm – With Stealth

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

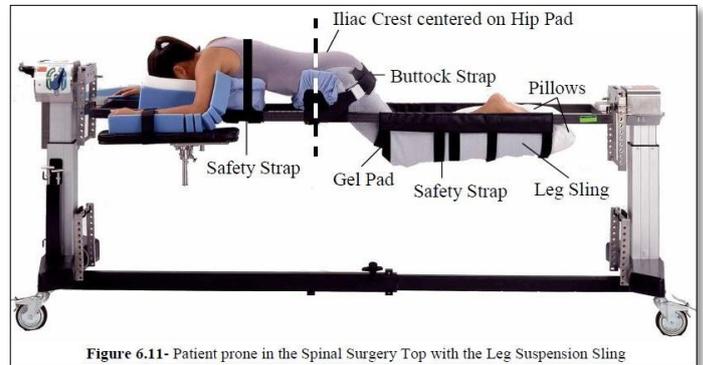


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| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head section removed) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Doro Head Section | Fit to head end of table. Tape horseshoe gels if loose and cover. Ensure all sections secure together firmly (do NOT over-tighten). Place Doro skull clamp on Mayo stand with pins. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Medtronic Stealth | Position Stealth to left side of diathermy. Place unsterile blue control plate and pointer (found in Stealth drawer) on the mayo stand with the head clamp and adjustable Medtronic arm. Attach foot pedal and position on floor at head end of operating table. |
| Sonopet | Position Sonopet to left side of Stealth. Place room temperature 500mL bag of sodium chloride, unopened, on IV hanging rail provided. Position foot pedal on floor at head end of operating table. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| High Suction Unit | Fitted to anaesthetic ceiling boom. Place unit to patient's head, beside anaesthetic machine. |
| Theatre Stack | Position theatre stack to right side of suction unit. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill remains attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patent is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Config of Tube to "Left and Right". Set User to "Infrared 800". Ensure eye piece fitted to correct side before balancing, eg. if operating on the left side, eye piece to be fitted to right side of microscope. |
| Extras Required | Shoulder roll (size may vary), 2x Arm gels, 2x J boards, 1x Pillow, 2x Heel gels, Half-length gel mat/Megadyne, SCD machine, Side support w/ Leg strap required if tilting operating table, bear hugger, foam for pressure areas. <u>Note:</u> If semi lateral Collar & Cuff will be required. |

16. Laminectomy / Microdiscectomy – With Xray V1

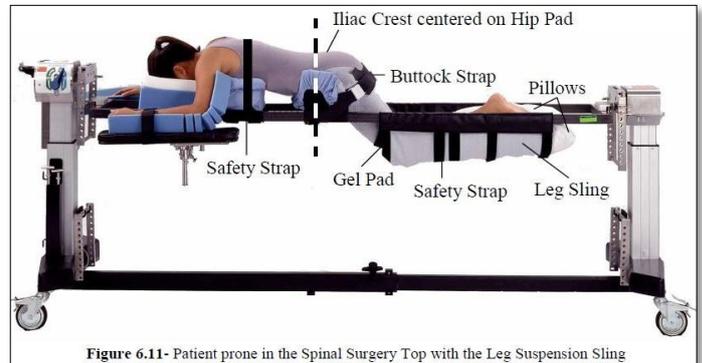
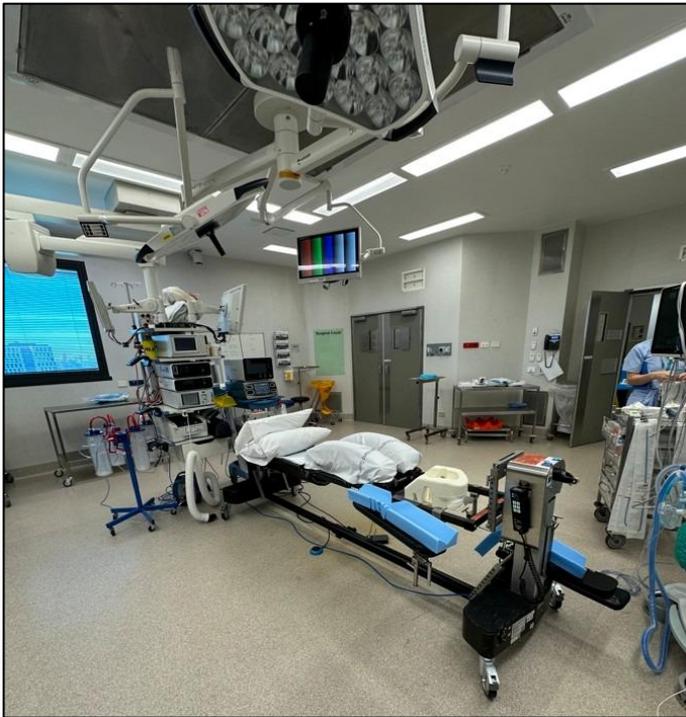
(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



| Equipment | Position and Settings |
|---|---|
| Jackson Operating Table w/Spinal Frame | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Pre-fit and position both arm-boards, remove left arm-board only and store under table (fit when patient has been positioned). Note: Ensure brakes applied, all table pins are secured correctly, and base lug is fastened. |
| Jackson Positioning Configuration | Fit from head-end to foot-end: Arm boards, face plate, chest plate, 2x thigh pads, sling fitted with gel mattress and 3 pillows. Black Jackson knuckle to be fitted to frame for surgical retractor, confirm position with surgical registrar. |
| Jackson Pad Pack | 1x Face foam (confirm style with anaesthetic consultant), 2x arm foam, 1x chest pad, 2x patient pad covers. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Full". |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece secured before balancing. |
| Extras Required | Face foam, Jackson pack, 3x pillows, 1x gel mat, 1x sheet, SCD, foam for pressure areas, 2x bear hugger |

17. Laminectomy / Microdiscectomy – With Xray V2

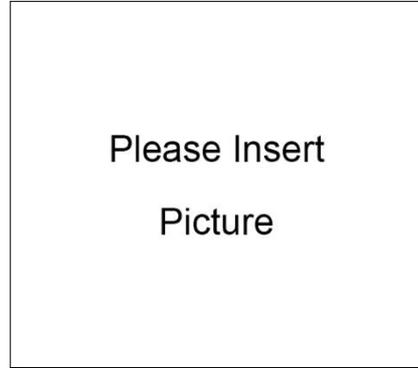
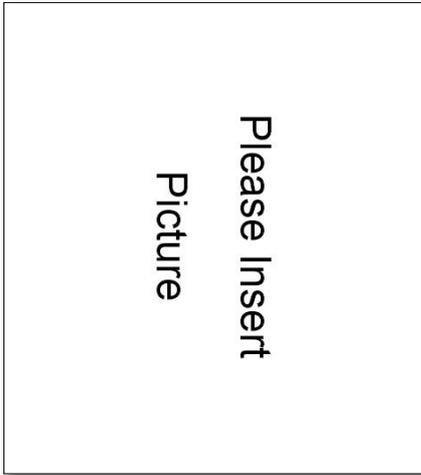
(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



| Equipment | Position and Settings |
|---|---|
| Jackson Operating Table w/Spinal Frame | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Head-end of spinal frame pinned at 5 th hole from the bottom of “H” bar, foot-end of spinal frame pinned at lowest hole. Pre-fit and position both arm-boards, remove left arm-board only and store under table (fit when patient has been positioned). Note: Ensure brakes applied, all table pins are secured correctly, and base lug is fastened. |
| Jackson Positioning Configuration | Fit from head-end to foot-end: Arm boards, face plate, Wilson Frame, 2x foot plates with gel mattress and 2 pillows. Black Jackson knuckle to be fitted to frame for surgical retractor, confirm position with surgical registrar. |
| Jackson Pad Pack | 1x Face foam (confirm style with anaesthetic consultant), 2x arm foam. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, and to left side of stack. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to “Full”. |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to “Face to Face”. Set User to “Neurosurgery User”. Ensure eye piece secured before balancing. |
| Extras Required | Face foam, Jackson pack, 3x pillows, 1x gel mat, 1x sheet, SCD, foam for pressure areas, 2x bear hugger. |

18. Sub-Dural Haematoma / Burr Hole / EVD / ICP (Emergency)

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



| Equipment | Position and Settings |
|---|--|
| Skytron 3603 Ultraslide Operating Table (Head Section Removed) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Mayfield/Doro Head Section w/ Horseshoe | Fit to head end of table. Tape horseshoe gels if loose and cover. Ensure all sections secure together firmly (do NOT over-tighten). |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25 |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Only SDC required. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patent is positioned. |
| Extras Required | Shoulder roll (size may vary), 2x Arm gels, 2x J boards, 1x Pillow, 2x Heel gels, Half-length gel mat/Megadyne, SCD machine, Side support w/ Leg strap required if tilting operating table, bear hugger, foam for pressure areas. <u>Note:</u> If semi lateral Collar & Cuff will be required. |

19. Spinal Fusion (Inc TLIF) With O-Arm

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

Consultants: Dr. Stephenson, Dr. Wayne Ng & Dr. Li Yang

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| Equipment | Position and Settings |
|---|---|
| Jackson Operating Table w/Spinal Frame | Position table laterally, from left-to-right, under ceiling light podium with head end to anaesthetic machine and foot end towards theatre window. Pre-fit and position both arm-boards, remove left arm-board only and store under table (fit when patient has been positioned). Note: Ensure brakes applied, all table pins are secured correctly, and base lug is fastened. |
| Jackson Positioning Configuration | Fit from head-end to foot-end: Arm boards, face plate, chest plate, 4x regular patient pads, 2x foot plate with gel mattress and 2 pillows. |
| Jackson Pad Pack | 1x Face foam (confirm style with anaesthetic consultant), 2x arm foam, 1x chest pad, 2x patient pad covers. |
| Diathermy | Position diathermy at foot end of the operating table, to right of theatre stack. Position foot pedal on floor toward head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand at foot end of operating table, beside Stealth. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Full". |
| Theatre Stack | Position theatre stack to foot end of operating table. Turn on SDC only. |
| Medtronic Stealth | Positioned to left of theatre stack. VGA cable to connect to ANA socket on theatre stack with feed linked to Monitor 1. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patient is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece secured before balancing. |
| Extras Required | Face foam, Jackson pack, 2x pillows, 1x gel mat, 1x sheet, SCD, foam for pressure areas, 2x bear hugger |

20. Spinal Fusion (XLIF) With Xray

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.

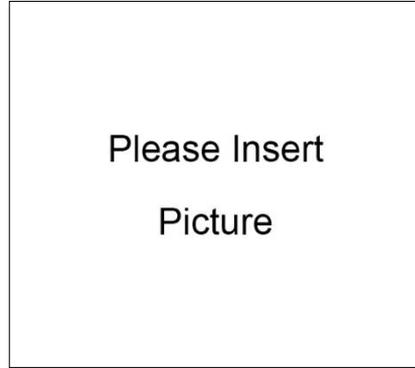


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| Equipment | Position and Settings |
|---|---|
| Skytron 3603 Ultraslide Operating Table (Head section fitted) | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Brakes applied. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Standard settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Low suction operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. Turn on SDC only. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to remain attached to stack. Foot pedal to be placed at head end of operating table and attached to console once the patent is positioned. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Face to Face". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing. |
| Extras Required | 2x Pillows, 1x shoulder roll, 2x lateral supports, 1x arm gutter, 4x Elastoplast (wide), SCD, bear hugger, foam for pressure areas |

21. Trans-Sphenoidal Tumour Resection – Intraoperative MRI With Head Ring

(Home) Important: Confirm all requirements with surgical team prior to setup. This includes Theatre table orientation, patient positioning and theatre equipment requirements.



| Equipment | Position and Settings |
|---|--|
| Maquet Magnus w/ Transfer Bed and Trolley | Position table straight, front-to-back, under ceiling light podium, with foot end towards the rear of theatre. Left arm-board fitted. Head ring placed under patient's head. Note: If table slide not in correct orientation, table remote will alarm when use attempted. |
| Diathermy | Position diathermy at foot end of the operating table with room to walk behind. Position foot pedal on floor at head end of operating table. Settings for Bi/Monopolar, from left to right, are as follows: 15/0/25. Note: Do NOT use Megadyne gel mattress for MRI transfers). |
| Medtronic Stealth | Position Stealth to left side of diathermy. Place unsterile corded tracer (found in Stealth drawer) on the mayo stand with adjustable MRI compatible Medtronic arm. Note: If using ENT user settings scrub team to provide unsterile metal tracer. |
| Medtronic Stealth Axiom | Hang Axiom on the foot end of the operating table, to the patient's left. Connect Axiom to Stealth system with corresponding coloured cables of which there are 3 as well as the power cord, ie: Green to green, blue to blue, etc. Connect foot pedal and position on floor to head end of operating table. |
| Sonopet | Position Sonopet to left side of Stealth. Place room temperature 500mL bag of sodium chloride, unopened, on IV hanging rail provided. Position foot pedal on floor at head end of operating table. |
| Four-way Suction Unit | Position suction stand to right side of diathermy. Ensure high and low suction tubing is attached to the correct outlet. Suction regulator set to "Reg" with operating pressure set between 10-20Psi. |
| Theatre Stack | Position theatre stack to right side of suction unit. SDC, camera and light box required. |
| Medtronic IPC (Midas Rex) or Stryker Core Drill (see DR Preference) | Drill to be attached to IV pole behind suction unit with 1x 1L bag of room temperature sodium chloride hung above. Foot pedal to be placed at head end of operating table. |
| Microscope | Powered on with light turned off. Turn Focus Light off. Set Configuration of Tube to "Left and Right". Set User to "Neurosurgery User". Ensure eye piece fitted to correct side, and secured, before balancing, eg. if operating on the left side, eye piece to be fitted to right side of microscope. |
| Extras Required | 1x Pillow, 2x MRI J boards, 2x Heel gels, Half-length gel mat, 2x Arm gels, Shoulder roll (size may vary), SCD machine, Side support w/ Leg strap required if tilting operating table, 2x MRI clearance spacers, 1x Extra Maquet knuckle and ENT elbow rest found OT14 (required only if ENT surgeon present), bear hugger, foam for pressure areas. |