**Side-to-Side Stapled Bowel Anastomosis with Hand-Sewn Common Enterotomy**

**Scoring Rubric**

**Name:** \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Rate each of the performance categories using the following scale:

(5) Completes task efficiently and completely (no verbal guidance)

(4) Completes task with some difficulty (no verbal guidance)

(3) Requires some verbal guidance

(2) Requires detailed verbal guidance

(1) Requires demonstration, unable to complete on own

(0) Skipped item

**Preparation**

|  |  |
| --- | --- |
|  | Ensure equipment is present   * Needle driver * Forceps * 3-0 silk suture * 3-0 vicryl suture * scissors * GIA stapler * Blue staple cartridge |
|  | Load stapler with blue cartridge. |
|  | Make sure bowel limbs to be anastomosed are tension free. |
|  | Appropriately approximated ends of bowel limbs. |
|  | Select 3-0 silk for stay sutures. |
|  | Place first stay suture 6-7cm from the open end. The second stay suture , other @ 1 cm from the open end. Tie the suture. Leave one end of suture long and cut the other end short. |
|  | Place second stay suture 1cm from the open end. Tie the suture. Leave one end of suture long and cut the other end short. |
|  | Assistant holds stay sutures. |

Total: \_\_\_\_\_\_\_\_\_ (40 maximum)

**Create Anastomosis**

|  |  |
| --- | --- |
|  | Cycle the stapler.   * Fire the trigger. * Pull back the lever. * Fire trigger. * Remove the safety. * Pull back the lever. |
|  | Put stapler arms in each limb of bowel. Stapler should be advanced all the way to the crotch of stapler. |
|  | Fire trigger to close stapler. |
|  | Push green safety button. |
|  | Fire trigger 4 times to advance the blade the full 60mm. Give 1 more half squeeze to make sure blade will not advance further. |
|  | Pull back the lever to open stapler. |
|  | Remove the stapler from bowel limbs. |

Total: \_\_\_\_\_\_\_\_\_ (35 maximum)

**Close Common Enterotomy**

|  |  |
| --- | --- |
|  | Select absorbable suture for common enterotomy closure – 3-0 Vicryl or 3-0 PDS. |
|  | Start suturing at center of open end. |
|  | Place sutures 3-4mm apart and 3-4mm from the edge. |
|  | Include submucosa in each bite. |
|  | Stop suturing at the half-way point along the common enterotomy. |
|  | Restart suturing at the bottom of the common enterotomy and suture toward center to close the enterotomy. |
|  | Tie sutures at the middle to close the enterotomy. |
|  | Cut sutures. |

Total: \_\_\_\_\_\_\_\_\_ (40 maximum)

**Place Lembert Sutures**

|  |  |
| --- | --- |
|  | Select 3-0 silk for second layer of closure sutures. |
|  | Insert suture 5cm from edge of suture line, remove before the suture line. Insert on other side of suture line and out about 5cm from suture line. Tie suture. |
|  | Sutures are place 3-4mm apart for the length of the enterotomy. |

Total: \_\_\_\_\_\_\_\_\_ (15 maximum)

**Complete procedure**

|  |  |
| --- | --- |
|  | Cut stay sutures. |
|  | Examine that anastomosis is tight. |
|  | Examine that anastomosis is non-obstructive. |
|  | Examine that anastomosis is leak-free. |

Total: \_\_\_\_\_\_\_\_\_ (20 maximum)

Grand Total: \_\_\_\_\_\_\_\_\_ (150 maximum)