

# COLLABORATIVE LEARNING CODEBOOK

## Form: Operative Information

(raw data)

**DATE CREATED 24MAY18**

**Number of Observations: 322**

**Number of Variables: 92**

**Organization of file: One Record per Patient**

| Variable Label (VAR)  | Variable Name | Category | N(%)       | N(Missing) | Mean(SD)         | Median(Q1,Q3)               | Range of Values   |
|---|---------------|----------|------------|------------|------------------|-----------------------------|-------------------|
| Blind Subject ID  | BLIND_ID      |          |            | 322(0)     | 53422.02(236.42) | 53434.50(53214.00,53613.00) | 53003.00-53831.00 |
| Visit ID  | VISITID       | 30       | 322(100.0) |            |                  |                             |                   |
| 2. Weight at surgery (kg)   | OP_W          |          |            | 322(0)     | 5.39(1.74)       | 5.40(3.91,6.60)             | 1.62-10.10        |
| 3. OR Entry Time (00:00 - 23:59)                                      | ENTRY_T       |          |            | 322(0)     |                  |                             | 7:02-17:18        |
| 4. Endotracheal Intubation performed prior to Operating Room arrival? | INTUB_Y_N     | No       | 299(92.9)  |            |                  |                             |                   |
|   |               | Yes      | 23(7.1)    |            |                  |                             |                   |
| Days between Initial Intubation and Procedure                         | INTUB_D_DAY   |          |            | 23(299)    | 1.74(6.46)       | 0.00(0.00,0.00)             | 0.00-31.00        |
| 4b. Initial Intubation Time (00:00 - 23:59)                           | INTUB_T       |          |            | 23(299)    |                  |                             | 7:21-22:45        |
| 4c. Re-intubated in Operating Room for procedure?                     | REINTUB_OR_YN | Missing  | 299(92.9)  |            |                  |                             |                   |
|   |               | No       | 23(7.1)    |            |                  |                             |                   |
| 4c1. Intubation Time in Operating Room (00:00 - 23:59)                | REINTUB_OR_T  |          |            |            |                  |                             |                   |
| 4a. Intubation Time in Operating Room (00:00 - 23:59)                 | INTUB_OR_T    |          |            | 298(24)    |                  |                             | 4:48-17:33        |

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|---|---------------|----------|-----------|------------|---------------|---------------------|-----------------|
| 5. Skin Incision Start Time (00:00 - 23:59) | INCIS_T       |          |           | 321(1)     |               |                     | 8:02-18:32      |
| 6. Skin Closure in Operating Room?          | CLOSE_YN      | No       | 3(0.9)    |            |               |                     |                 |
|   |               | Yes      | 319(99.1) |            |               |                     |                 |
| 6a. Skin Closure Time (00:00 - 23:59)       | CLOSE_T       |          |           | 318(4)     |               |                     | 9:12-20:16      |
| 7. Cardiopulmonary bypass?                  | BYPASS        | No       | 120(37.3) |            |               |                     |                 |
|   |               | Yes      | 202(62.7) |            |               |                     |                 |
| 7a. Cross Clamp Time - No CPB (minutes)     | NO_XCLAMP_T   |          |           | 321(1)     | 12.09(18.98)  | 0.00(0.00,18.00)    | 0.00-165.00     |
| 7b. Cross Clamp Time - on CPB (minutes)     | XCLAMP_T      |          |           | 202(120)   | 72.00(37.93)  | 66.00(51.00,89.00)  | 0.00-225.00     |
| 7c. CPB Time (minutes)                      | CPB_T         |          |           | 202(120)   | 104.56(52.26) | 98.00(75.00,127.00) | 0.00-326.00     |
| 8. Patient extubated in OR?                 | EXTUB_OR_YN   | No       | 240(74.5) |            |               |                     |                 |
|   |               | Yes      | 82(25.5)  |            |               |                     |                 |
| 8a. Extubation Time (00:00 - 23:59)         | EXTUB_OR_T    |          |           | 82(240)    |               |                     | 9:23-20:33      |
| Days between OR exit and procedure          | EXIT_D_DAY    |          |           | 322(0)     | 0.10(1.67)    | 0.00(0.00,0.00)     | 0.00-30.00      |

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|--------------------------------------|----------------|----------------|-----------|------------|-------------|-----------------|-----------------|
| 10. OR Exit Time (00:00 - 23:59)     | EXIT_T         |                |           | 321(1)     |             |                 | 9:23-20:37      |
| Days between Induction and procedure | ANES_D_DAY     |                |           | 322(0)     | 1.25(20.40) | 0.00(0.00,0.00) | 0.00-365.00     |
| 1b. Time of Induction                | ANES_T         |                |           | 321(1)     |             |                 | 7:05-17:29      |
| 1c. Inhalation Induction             | ANES_INHAL     | <i>Missing</i> | 1(0.3)    |            |             |                 |                 |
|                                      |                | No             | 103(32.0) |            |             |                 |                 |
|                                      |                | Yes            | 218(67.7) |            |             |                 |                 |
| 1c1. Isoflurane                      | ANES_INHAL_ISO | <i>Missing</i> | 104(32.3) |            |             |                 |                 |
|                                      |                | No             | 168(52.2) |            |             |                 |                 |
|                                      |                | Yes            | 50(15.5)  |            |             |                 |                 |
| 1c2. Sevoflurane                     | ANES_INHAL_SEV | <i>Missing</i> | 104(32.3) |            |             |                 |                 |
|                                      |                | No             | 18(5.6)   |            |             |                 |                 |
|                                      |                | Yes            | 200(62.1) |            |             |                 |                 |
| 1c3. Desflurane                      | ANES_INHAL_DES | <i>Missing</i> | 104(32.3) |            |             |                 |                 |
|                                      |                | No             | 217(67.4) |            |             |                 |                 |
|                                      |                | Yes            | 1(0.3)    |            |             |                 |                 |

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|----------------------------------|---------------------|----------------|-----------|------------|--------------|--------------------|-----------------|
| 1d. Intravenous Induction        | ANES_INTRA          | <i>Missing</i> | 1(0.3)    |            |              |                    |                 |
|                                  |                     | No             | 184(57.1) |            |              |                    |                 |
|                                  |                     | Yes            | 137(42.5) |            |              |                    |                 |
| 1d1. Dexmedetomidine             | ANES_INTRA_DEX      | <i>Missing</i> | 185(57.5) |            |              |                    |                 |
|                                  |                     | No             | 137(42.5) |            |              |                    |                 |
| 1d1i. Dexmedetomidine Dose (mcg) | ANES_INTRA_DEX_DOSE |                |           |            |              |                    |                 |
| 1d2. Etomidate                   | ANES_INTRA_ETO      | <i>Missing</i> | 185(57.5) |            |              |                    |                 |
|                                  |                     | No             | 137(42.5) |            |              |                    |                 |
| 1d2i. Etomidate Dose (mg)        | ANES_INTRA_ETO_DOSE |                |           |            |              |                    |                 |
| 1d3. Fentanyl                    | ANES_INTRA_FEN      | <i>Missing</i> | 185(57.5) |            |              |                    |                 |
|                                  |                     | No             | 49(15.2)  |            |              |                    |                 |
|                                  |                     | Yes            | 88(27.3)  |            |              |                    |                 |
| 1d3i. Fentanyl Dose (mcg)        | ANES_INTRA_FEN_DOSE |                |           | 88(234)    | 20.89(14.29) | 20.00(10.00,25.00) | 3.00-100.00     |
| 1d4. Ketamine                    | ANES_INTRA_KETA     | <i>Missing</i> | 185(57.5) |            |              |                    |                 |
|                                  |                     | No             | 77(23.9)  |            |              |                    |                 |

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|-------------------------------|----------------------|----------------|-----------|------------|------------|------------------|-----------------|
|                               |                      | Yes            | 60(18.6)  |            |            |                  |                 |
| 1d4i. Ketamine Dose (mg)      | ANES_INTRA_KETA_DOSE |                |           | 60(262)    | 8.15(3.27) | 7.50(5.00,10.00) | 4.00-20.00      |
| 1d5. Midazolam                | ANES_INTRA_MID       | <i>Missing</i> | 185(57.5) |            |            |                  |                 |
|                               |                      | No             | 86(26.7)  |            |            |                  |                 |
|                               |                      | Yes            | 51(15.8)  |            |            |                  |                 |
| 1d5i. Midazolam Dose (mg)     | ANES_INTRA_MID_DOSE  |                |           | 51(271)    | 0.74(0.35) | 0.50(0.50,1.00)  | 0.30-2.00       |
| 1d6. Propofol                 | ANES_INTRA_PROP      | <i>Missing</i> | 185(57.5) |            |            |                  |                 |
|                               |                      | No             | 129(40.1) |            |            |                  |                 |
|                               |                      | Yes            | 8(2.5)    |            |            |                  |                 |
| 1d6i. Propofol Dose (mg)      | ANES_INTRA_PROP_DOSE |                |           |            |            |                  |                 |
| 1d7. Remifentanyl             | ANES_INTRA_REMI      | <i>Missing</i> | 185(57.5) |            |            |                  |                 |
|                               |                      | No             | 137(42.5) |            |            |                  |                 |
| 1d7i. Remifentanyl Dose (mcg) | ANES_INTRA_REMI_DOSE |                |           |            |            |                  |                 |
| 1d8. Sodium Thiopental        | ANES_INTRA_SOD       | <i>Missing</i> | 185(57.5) |            |            |                  |                 |
|                               |                      | No             | 137(42.5) |            |            |                  |                 |

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|-----------------------------------|-----------------------|----------------|-----------|------------|----------|--------------------|-----------------|
| 1d8i. Sodium Thiopental Dose (mg) | ANES_INTRA_SOD_DOSE   |                |           |            |          |                    |                 |
| 1d9. Sufentanil                   | ANES_INTRA_SUF        | <i>Missing</i> | 185(57.5) |            |          |                    |                 |
|                                   |                       | No             | 137(42.5) |            |          |                    |                 |
| 1d9i. Sufentanil Dose (mcg)       | ANES_INTRA_SUF_DOSE   |                |           |            |          |                    |                 |
| 1e. Intramuscular Induction       | ANES_INTRAM           | <i>Missing</i> | 1(0.3)    |            |          |                    |                 |
|                                   |                       | No             | 320(99.4) |            |          |                    |                 |
|                                   |                       | Yes            | 1(0.3)    |            |          |                    |                 |
| 1e1. Ketamine                     | ANES_INTRAM_KET       | <i>Missing</i> | 321(99.7) |            |          |                    |                 |
|                                   |                       | Yes            | 1(0.3)    |            |          |                    |                 |
| 1e1i. Ketamine Dose (mg)          | ANES_INTRAM_KET_DOSE  |                |           | 1(321)     | 30.00()  | 30.00(30.00,30.00) | 30.00-30.00     |
| 1e2. Midazolam                    | ANES_INTRAM_PROP      | <i>Missing</i> | 321(99.7) |            |          |                    |                 |
|                                   |                       | No             | 1(0.3)    |            |          |                    |                 |
| 1e2i. Midazolam Dose (mg)         | ANES_INTRAM_PROP_DOSE |                |           |            |          |                    |                 |
| 2. Regional Anesthetic?           | ANES_REGION           | <i>Missing</i> | 1(0.3)    |            |          |                    |                 |
|                                   |                       | No             | 318(98.8) |            |          |                    |                 |

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|--|-----------------------|----------------|-----------|------------|----------|---------------|-----------------|
|  |                       | Yes            | 3(0.9)    |            |          |               |                 |
| 2a. Thoracic Epidural Catheter                                     | ANES_SITE_THOR        | <i>Missing</i> | 319(99.1) |            |          |               |                 |
|  |                       | No             | 3(0.9)    |            |          |               |                 |
| 2b. Lumbar Epidural - Single shot                                  | ANES_SITE_LUMB_EPI    | <i>Missing</i> | 319(99.1) |            |          |               |                 |
|  |                       | No             | 3(0.9)    |            |          |               |                 |
| 2c. Lumbar Intrathecal - Single Shot                               | ANES_SITE_TLUMB_INTRA | <i>Missing</i> | 319(99.1) |            |          |               |                 |
|  |                       | No             | 3(0.9)    |            |          |               |                 |
| 2d. Lumbar Epidural Catheter                                       | ANES_SITE_LUMB_CATH   | <i>Missing</i> | 319(99.1) |            |          |               |                 |
|  |                       | No             | 3(0.9)    |            |          |               |                 |
| 2e. Caudal Epidural - Single shot                                  | ANES_SITE_CAUD_EPI    | <i>Missing</i> | 319(99.1) |            |          |               |                 |
|  |                       | Yes            | 3(0.9)    |            |          |               |                 |
| 2f. Caudal Epidural Catheter                                       | ANES_SITE_CAUD_CATH   | <i>Missing</i> | 319(99.1) |            |          |               |                 |
|  |                       | No             | 3(0.9)    |            |          |               |                 |
| 3. Intercoastal Nerve Infiltration by Surgeon or Anesthesiologist? | ANES_INTER            | <i>Missing</i> | 1(0.3)    |            |          |               |                 |

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|---|-----------------|----------|-----------|------------|----------|---------------|-----------------|
|   |                 | No       | 277(86.0) |            |          |               |                 |
|   |                 | Yes      | 44(13.7)  |            |          |               |                 |
| 4. Regional Field Block by Surgeon or Anesthesiologist? | ANES_BLOCK      | Missing  | 1(0.3)    |            |          |               |                 |
|   |                 | No       | 268(83.2) |            |          |               |                 |
|   |                 | Yes      | 53(16.5)  |            |          |               |                 |
| 5a. Acetaminophen                                       | INTRA_ACET_YN   | No       | 262(81.4) |            |          |               |                 |
|   |                 | Yes      | 60(18.6)  |            |          |               |                 |
| 5b. Ketorolac   | INTRA_KETO_YN   | No       | 321(99.7) |            |          |               |                 |
|   |                 | Yes      | 1(0.3)    |            |          |               |                 |
| 5c. Desflurane  | INTRA_DES_YN    | No       | 315(97.8) |            |          |               |                 |
|   |                 | Yes      | 7(2.2)    |            |          |               |                 |
| 5d. Isoflurane  | INTRA_ISO_YN    | No       | 60(18.6)  |            |          |               |                 |
|   |                 | Yes      | 262(81.4) |            |          |               |                 |
| 5e. Sevoflurane   | INTRA_SEV_YN    | No       | 181(56.2) |            |          |               |                 |
|   |                 | Yes      | 141(43.8) |            |          |               |                 |
| 5f. Nitric Oxide Inhalation                             | INTRA_NITRIC_YN | No       | 302(93.8) |            |          |               |                 |



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|---|----------------|----------|-----------|------------|----------------|---------------------|-----------------|
|   |                | Yes      | 20(6.2)   |            |                |                     |                 |
| 5g. Dexmedetomidine (Precedex)                        | INTRA_DEX_YN   | No       | 169(52.5) |            |                |                     |                 |
|   |                | Yes      | 153(47.5) |            |                |                     |                 |
| 5g1. Dexmedetomidine (Precedex) Cumulative Dose (mcg) | INTRA_DEX      |          |           | 152(170)   | 8.07(7.04)     | 6.00(3.35,10.13)    | 0.20-30.76      |
| 5h. Fentanyl  | INTRA_FENT_YN  | No       | 22(6.8)   |            |                |                     |                 |
|   |                | Yes      | 300(93.2) |            |                |                     |                 |
| 5h1. Fentanyl Cumulative Dose (mcg)                   | INTRA_FENT     |          |           | 299(23)    | 177.03(277.44) | 70.00(30.00,150.00) | 2.00-1900.00    |
| 5i. Ketamine  | INTRA_KETA_YN  | No       | 289(89.8) |            |                |                     |                 |
|   |                | Yes      | 33(10.2)  |            |                |                     |                 |
| 5i1. Ketamine Cumulative Dose (mg)                    | INTRA_KETA     |          |           | 33(289)    | 11.81(11.54)   | 10.00(5.00,12.00)   | 3.00-54.00      |
| 5j. Midazolam   | INTRA_MIDAZ_YN | No       | 193(59.9) |            |                |                     |                 |
|   |                | Yes      | 129(40.1) |            |                |                     |                 |
| 5j1. Midazolam Cumulative Dose (mg)                   | INTRA_MIDAZ    |          |           | 129(193)   | 2.18(1.69)     | 2.00(0.70,3.50)     | 0.30-7.00       |

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|--|----------------|----------|------------|------------|----------------|----------------------|-----------------|
| 5k. Diazepam   | INTRA_DIAZ_YN  | No       | 322(100.0) |            |                |                      |                 |
| 5k1. Diazepam Cumulative Dose (mg)                     | INTRA_DIAZ     |          | 322(100.0) |            |                |                      |                 |
| 5l. Propofol (Diprivan) Infusion                       | INTRA_PROP_YN  | No       | 295(91.6)  |            |                |                      |                 |
|  |                | Yes      | 27(8.4)    |            |                |                      |                 |
| 5l1. Propofol (Diprivan) Infusion Cumulative Dose (mg) | INTRA_PROP     |          |            | 27(295)    | 49.45(61.40)   | 20.00(10.00,51.75)   | 0.10-228.70     |
| 5m. Remifentanil                                       | INTRA_REMI_YN  | No       | 315(97.8)  |            |                |                      |                 |
|  |                | Yes      | 7(2.2)     |            |                |                      |                 |
| 5m1. Remifentanil Cumulative Dose (mcg)                | INTRA_REMI     |          |            | 7(315)     | 267.29(259.15) | 222.40(88.20,317.80) | 2.40-798.10     |
| 5n. Sufentanil   | INTRA_SUFEN_YN | No       | 321(99.7)  |            |                |                      |                 |
|  |                | Yes      | 1(0.3)     |            |                |                      |                 |
| 5n1. Sufentanil Cumulative Dose (mcg)                  | INTRA_SUFEN    |          | 321(99.7)  |            |                |                      |                 |
|  |                | 86.84    | 1(0.3)     |            |                |                      |                 |
| 5o. Esmolol  | INTRA_ESM_YN   | No       | 275(85.4)  |            |                |                      |                 |
|  |                | Yes      | 47(14.6)   |            |                |                      |                 |

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| 5o1. Esmolol Highest Dose (mcg/kg/min)               | INTRA_ESM     |          |           | 47(275)    | 230.91(162.95) | 200.00(100.00,350.00) | 3.00-600.00     |
| 5p. Epinephrine                                      | INTRA_EPI_YN  | No       | 297(92.2) |            |                |                       |                 |
|  |               | Yes      | 25(7.8)   |            |                |                       |                 |
| 5p1. Epinephrine Highest Dose (mcg/kg/min)           | INTRA_EPI     |          |           | 24(298)    | 0.79(0.94)     | 0.50(0.03,2.00)       | 0.02-3.00       |
| 5q. Milrinone  | INTRA_MIL_YN  | No       | 158(49.1) |            |                |                       |                 |
|  |               | Yes      | 164(50.9) |            |                |                       |                 |
| 5q1. Milrinone Highest Dose (mcg/kg/min)             | INTRA_MIL     |          |           | 162(160)   | 0.40(0.33)     | 0.50(0.00,0.50)       | 0.00-1.00       |
| 5r. Dopamine   | INTRA_DOP_YN  | No       | 216(67.1) |            |                |                       |                 |
|  |               | Yes      | 106(32.9) |            |                |                       |                 |
| 5r1. Dopamine Highest Dose (mcg/kg/min)              | INTRA_DOP     |          |           | 106(216)   | 6.02(14.58)    | 5.00(5.00,5.00)       | 0.00-154.00     |
| 5s. Vasopressin Infusion                             | INTRA_VASO_YN | No       | 316(98.1) |            |                |                       |                 |
|  |               | Yes      | 6(1.9)    |            |                |                       |                 |
| 5s1. Vasopressin Infusion Highest Dose (units/kg/hr) | INTRA_VASO    |          |           | 6(316)     | 0.18(0.40)     | 0.02(0.00,0.04)       | 0.00-1.00       |