**MicroSurgery Core Rate Sheet**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Code | Surgeries |  |  |  | Campus User |  |  | Non-Campus User |
|  | **Cardiovascular Procedures** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| CP001 | Abdominal Banding - Hypertension Model | 53.5 | 64.2 | 69.6 |  | 106.1 | 127.3 | 137.9 |
| CP002 | Atherosclerosis - Carotid Artery Embolectomy | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| CP003 | Left Coronary Artery Lgationtt |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| CP004 | Thoracic Aortic Bandingtt - Transverse Aorta | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| CP005 | Thoracic Aortic Banding -Ascending Aorta | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| CP006 | Transverse Aortic Constriction(TAC) |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Neurological Procedures** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| NP001 | Bilateral Brain Cannulation |  |  | 214.0 | 256.8 | 278.2 |  | 424.3 | 509.1 | 551.5 |
| NP002 | Bilateral Superior Ganglion Denervation |  | 53.5 | 64.2 | 69.6 |  | 106.1 | 127.3 | 137.9 |
| NP003 | Intracisternal Cannulation |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| NP004 | lntralateral Ventricular Cannulation |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| NP005 | Intrathecal Cannulation |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| NP006 | Microdialysis Probe lmplantation |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| NP007 | Parkinson's Model (Chemicai-60HDA) |  | 214.0 | 256.8 | 278.2 |  | 424.3 | 509.1 | 551.5 |
| NP008 | Superior Cervical Ganglion Denervation |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| NP009 | Unilateral Brain Cannulation |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| NP010 | Third Ventricular Cannulation |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| NP011 | Middle Cerebral Artery Occlusion (MCAO) | 214.0 | 256.8 | 278.2 |  | 424.3 | 509.1 | 551.5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Vascular Catheterizations** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| VC001 | Abdominal Aorta |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC002 | Carotid Artery-common carotid |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC003 | Carotid Artery - Cranial Dosing CARART |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC004 | Femoral Artery  |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC005 | Femoral Vein |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC006 | Jugular Vein |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC007 | Double Jugular Vein |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC008 | Portal Vein  |  |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC009 | Vena Cava |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC010 | Vena Cava (Femoral vein) |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Non-Vascular Catheterizations** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| VC001 | Bile Duct |  |  |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC002 | Colon |  |  |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC003 | Duodenum |  |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC004 | lleum |  |  |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC005 | Intraperitoneal Catheterization |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC006 | Intrathecal Cannulation |  |  | 214.0 | 256.8 | 278.2 |  | 424.3 | 509.1 | 551.5 |
| VC007 | Jejunum |  |  |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| VC008 | Stomach (Gastric) |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| VC009 | Subcutaneous Catheter |  |  | 53.5 | 64.2 | 69.6 |  | 106.1 | 127.3 | 137.9 |
| VC010 | Urinary Bladder |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Soft Tissue Procedures** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| STP001 | Adrenalectomy  |  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP002 | Bile Duct Ligation  |  |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP003 | Castration  |  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP004 | Hypophysectomy |  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP005 | Hypophysectomy <75g or >200g |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP006 | Hysterectomy |  |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP007 | Nephrectomy - Unilateral |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP008 | 5/6 Nephrectomy- Multiple survival |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| STP009 | Osteoarthritis Model (MIA) |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP010 | Ovariectomy |  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP011 | Pancreatectomy |  |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| STP012 | Parathyroidectomy |  |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP013 | Splenectomy |  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP014 | Thymectomy  |  |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP015 | Thyroidectomy w/ Parathyroid Reimplant  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP016 | Thyroidectomy + Parathyroidectomy  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP017 | Tubal Ligation - Bilateral |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP018 | Tubal Ligation - Unilateral  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| STP019 | Ureter Ligation  |  |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP020 | Vagotomy (Hepatic) |  |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP021 | Vagotomy- Stomach |  |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP022 | Vagotomy (Sub-diaphragmatic) |  | 53.5 | 64.2 | 69.6 |  | 141.4 | 169.7 | 183.8 |
| STP023 | Vasectomy |  |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Device lmplants** |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| DI001 | Blood Pressure Telemetry |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| DI002 | Blood Pressure + Electrocardiograph Telemetry | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| DI003 | Blood Pressure + Electroencephalograph Telemetry | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| DI004 | Electrocardiograph Telemetry |  |  | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| DI005 | Electroencephalograph + Electrocardiograph Telemetry | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| DI006 | Electroencephalograph + Electromyograph Telemetry | 160.5 | 192.6 | 208.7 |  | 318.2 | 381.8 | 413.7 |
| DI007 | Electroencephalograph + Electroencephalograph + Electromyograph | 267.5 | 321.0 | 347.8 |  | 530.3 | 636.4 | 689.4 |
| DI008 | Electromyograph Telemetry |  |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| DI009 | Osmotic/Infusion Pump |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| DI010 | Pleural Pressure Telemetry |  |  | 214.0 | 256.8 | 278.2 |  | 424.3 | 509.1 | 551.5 |
| DI011 | Pleural Pressure + Electrocardiograph Telemetry | 267.5 | 321.0 | 347.8 |  | 530.3 | 636.4 | 689.4 |
| DI012 | Simple Injectable Implant |  |  | 26.8 | 32.1 | 34.8 |  | 70.7 | 84.9 | 91.9 |
| DI013 | Temperature + Activity Telemetry |  | 107.0 | 128.4 | 139.1 |  | 212.1 | 254.6 | 275.8 |
| DI014 | Vascular Access Port |  |  | 53.5 | 64.2 | 69.6 |  | 106.1 | 127.3 | 137.9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Microsurgery workshop** |  |  | Rat | Mouse | Guinea Pig |  | Rat | Mouse | Guinea Pig |
| DI001 | Basic workshop |  |  |  | 321.0 | 385.2 | 417.3 |  | 565.7 | 678.8 | 735.4 |
| DI002 | Medium Workshop |  |  |  | 642.0 | 770.4 | 834.6 |  | 989.9 | 1187.9 | 1286.9 |
| DI003 | Advanced workshop |  |  | 1284.0 | 1540.8 | 1669.2 |  | 1838.5 | 2206.2 | 2390.0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CS001 | **Customized Surgery** |  |  |  | TBD | TBD | TBD |  | TBD | TBD | TBD |