

# CRITICAL LAB VALUES

|                                           |        | Lab Values                                        | Critical Values                                           |
|-------------------------------------------|--------|---------------------------------------------------|-----------------------------------------------------------|
| <b>BMP</b>                                |        |                                                   |                                                           |
| Calcium                                   |        | 8.6 - 10 mg/dl                                    | $\leq 6, \geq 13$ mg/dl                                   |
| Cl-                                       |        | 99 - 109                                          | $< 80, > 115$ mEq/L                                       |
| Gluc.                                     |        | 74 - 106 md/dl                                    | $< 40, > 450$ mg/dl                                       |
| K+                                        |        | 3.5 - 5.5                                         | $< 2.8, \geq 6.2$                                         |
| Na++                                      |        | 132 - 146 mEq/L                                   | $\leq 120, \geq 160$ mEq/L                                |
| BUN                                       |        | 9 - 23                                            | $\geq 80$ mg/dl                                           |
| Creat.                                    | Female | 0.5 - 1.1 mg/dl                                   | $> 4$ mg/dl                                               |
|                                           | Male   | 0.7 - 1.3 mg/dl                                   |                                                           |
| Total protein                             |        | 6.4 - 8.3 g/L                                     |                                                           |
| Albumin                                   |        | 3.2 - 4.8 g/L                                     |                                                           |
| <b>CBC</b>                                |        |                                                   |                                                           |
| Hgb                                       |        | 12.0 - 16.0                                       | $\leq 6.0, \geq 20$ g/dl                                  |
| Hct                                       | Female | 37 - 47,                                          | $\leq 18\%, \geq 60\%$                                    |
|                                           | Male   | 40 - 54                                           |                                                           |
| WBC                                       |        | 5.2 - 12.4                                        | $\leq 2.0, \geq 30,000$                                   |
| RBC                                       | Female | 4.2 - 5.4,                                        |                                                           |
|                                           | Male   | 4.6 - 6.19                                        |                                                           |
| Platelets                                 |        | 130,000 - 400,000                                 | $\leq 40,000, \geq 999,000$                               |
| Ultra-Toponin                             |        | 0.006 - 0.039                                     | 0.040 - 0.779 (high)<br>$> 0.78$ (critical)               |
| <b>Serum Drug Levels</b>                  |        |                                                   |                                                           |
| Carbamazepine                             |        | 4 - 10 mcg/ml                                     | $> 15$ mcg/ml                                             |
| Digoxin                                   |        | 0.8 - 2.0 mg/dl                                   | $> 2.0$ mg/dl                                             |
| Gentamycin                                |        | peak - 5 - 10 mcg/ml<br>valley - $< 2.0$ mcg/ml   | $> 10$ mcg/ml                                             |
| Phenobarbital                             |        | 15 - 40 mcg/ml                                    | $> 40$ mcg/ml                                             |
| Phenyton                                  |        | 10 - 20 mcg/ml                                    | $> 20$ mcg/ml                                             |
| Theophylline                              |        | 10 - 20 mcg/ml                                    | $> 20$ mcg/ml                                             |
| Torbramycin                               |        | peak - 5 - 10 mcg/ml<br>valley - 0.5 - 2.0 mcg/ml | $> 10$ mcg/ml                                             |
| Valproic Acid                             |        | 50 - 100 mcg/ml                                   | $> 125$ mcg/ml                                            |
| Vancomycin                                |        | peak - 25 - 40 mcg/ml<br>valley - 5 - 15 mcg/ml   | $> 30$ mcg/ml                                             |
| <b>Anticoagulant Related and Clotting</b> |        |                                                   |                                                           |
| PT                                        |        | 9.0 - 11.7 sec.                                   | $> 80$ sec.                                               |
| INR (coumadin)                            |        | 0.9 - 1.2                                         | $> 6$                                                     |
| PTT (Heparin Monitoring)                  |        | 55.0 - 75.0 sec.                                  | $> 70$ sec.                                               |
| APTT (therapeutic)                        |        | 23.3 - 31.9 sec.                                  | SJH $\leq 19, \geq 100$ sec<br>SJE No low, $\geq 100$ sec |
| Fibrinogen                                |        | 203 - 377 mg/dl                                   | $\leq 100.0, \geq 600.0$ mg/dl                            |
| <b>ABG's -norms:</b>                      |        |                                                   |                                                           |
| pH                                        |        | 7.35 - 7.45                                       |                                                           |
| pCO <sub>2</sub>                          |        | 35 - 45                                           |                                                           |
| pO <sub>2</sub>                           |        | 80 - 100                                          |                                                           |
| HCO <sub>3</sub>                          |        | 22 - 25                                           |                                                           |
| BE                                        |        | -2 / +2                                           |                                                           |
| O <sub>2</sub> sat.                       |        | $> 95$                                            |                                                           |