

## Intensive Care Nursery House Staff Manual

### Neonatal Clinical Physiology Laboratory

The Neonatal Clinical Physiology Laboratory (NCPL) is a “point-of-care” facility located in the Intensive Care Nursery. The staff of the NCPL provides the following services on a 24h, 7d basis to the patients in the Intensive Care Nursery:

#### **Blood Tests:**

- **pH and blood gas tension measurements**

- for patients in ICN\*

- at intensive resuscitations (“set-ups”) in the Neonatal Resuscitation Room in the Obstetrical Delivery Suite

- on umbilical arterial and venous blood from doubly-clamped segment of umbilical cord for all infants born at UCSF

- **Electrolytes (Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, and ionized Ca<sup>++</sup>)\***

- **Hematocrit (Hct, spun)**

- **Hemoximetry** (oxyhemoglobin saturation, total Hgb, Met-Hgb and CO-Hgb)

- **Activated clotting time (ACT, for ECMO patients only)**

\*Results for these tests are reported to the infant’s bedside Nurse within 15 min after the sample is obtained.

#### **Other Tests:**

- **Neonatal pulmonary function testing** (pulmonary mechanics only). Ask the Neonatology Fellow to request this test.

- **Neonatal hearing screening:** This is done prior to discharge on all ICN and Well Baby Nursery infants. Results are reported in the infant’s chart.

**Other services:** The staff of the NCPL also is responsible for:

- **Pulse oximetry monitoring**

- **Transcutaneous CO<sub>2</sub> monitoring**

- **Maintaining the ICN Database and the Obstetrical Database**

For any questions about the NCPL, contact Mr. Gene Qin, Supervisor of the NCPL, or Ms. Mureen Schlueter, Manager of the NCPL.

NCPL phone: 353-1755