Cellular Therapy Research Services

About Us

Cellular Therapy Research Services is comprised of three departments: Hemapheresis, Bowyer Infusions Center, and Stem Cell Lab. Inpatient infusions take place on Ronald Reagan UCLA Medical Center 6 East Unit and 3F Units.

Studies that require services provided by Cellular Therapy Research Services must have a completed web-based application in the Comprehensive Ancillary Forms Engine (CAFÉ).

- Application (in CAFÉ): click here
- Instructions for using CAFÉ: click here

Services Provided

Hemapheresis

- Autologous HPC Collection with/without Concurrent Plasma
- Autologous MNC Collection with/without Concurrent Plasma
- Allogeneic HPC Collection with/without Concurrent Plasma
- Allogeneic MNC Collection with/without Concurrent Plasma

We use the Spectra Optia Apheresis System and utilize the CMNC protocol.

Bowyer Infusion Center

- Provide Study related blood draws and other specimen collections, including baseline, pre, post, timed PK draws
- Obtain vital signs per protocol and other nursing assessment
- EKG at baseline, pre and post treatment
- Administer study related drug infusions and observations - All RNs are Chemo/Biotherapy Certified
- Depend on patient's access needs, preform IV insertion or central line access/care
- Provide injection, hydration, transfusion, if indicate
- Provide medical emergency response (e.g. hypersensitivity or anaphylactic event), when indicated

Stem Cell Lab

- Receipt of cryopreserved cellular therapy products (CTP)
- Temporary storage of CTP in liquid nitrogen tanks (<-150°C) prior to infusion
- Thawing of CTP in water bath (37°C ± 2°C)
- Basic Processing (Sterility, Nucleated Cell Count, CD34+ or CD3+ enumeration, Trypan Blue Viability)
- Cryopreservation using controlled-rate freezer or dump-freezing method
- CD34+ selection using CliniMACS instrument

If you have questions or need additional information: Contact: CellularTherapyResearch@mednet.ucla.edu

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