

UCSD Medical Toxicology

Medical Toxicology Rotation for Emergency Medicine Residents, Pediatric Residents/Fellows and Medical Students

Arranging the Rotation

For **medical students** please contact the rotation coordinator Nikol LeVine at nlevine@ucsd.edu (619-543-7342).

For all **residents and pediatric fellows** please contact the rotation coordinator Autumn Rashak at arashak@ucsd.edu (619-543-6229).

Medical Toxicology Rotation

Welcome to the Medical Toxicology Rotation. We are happy to have you rotate through and are committed to teaching you as much as we can while you are here.

Rotation Director: Aaron Schneir M.D.
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aschneir@ucsd.edu

Full time UCSD Staff:

Richard F. Clark M.D. Division of Medical Toxicology Chief, Medical Director
of San Diego Division-California Poison Control Center

Binh Ly M.D. Medical Toxicology Fellowship Director
Aaron Schneir M.D. Medical Toxicology Clerkship Director
Chris Tomaszewski M.D. Assistant Medical Director of San Diego Division-
California Poison Control Center

Other Staff:

F. Lee Cantrall Pharm D. Managing Director, San Diego Division California
Poison Control Center

David Tanen M.D. Navy-Balboa
Michael Matteucci M.D. Navy-Balboa
Fred Fung M.D. Sharp-Rees Steely
Stephen Munday M.D. Sharp-Rees Steely
Cyrus Rangun M.D. Los Angeles

Medical Toxicology Fellows:

Senior Fellow: Alex Miller M.D.
Junior Fellows: Sean Nordt M.D.
Sean Carstairs M.D.
Alicia Minns M.D.
Alison Kreshak M.D.

UCSD Medical Toxicology

Components

1. **Medical Toxicology Journal Clubs.** Journal Clubs are on Monday mornings between 9:30 AM and 12 PM. There is an alternation each week between review of recent articles and a specific topic. Rotators will be assigned an article to present every Monday except the first day of the rotation. We will try to assign you an article that relevant to your practice.
2. **California Poison Control Center Case Conferences.** These occur every other Monday from 12 to 1pm and is a chance for almost all of the medical toxicologists in California to discuss cases. Each site (San Diego, San Francisco, Fresno, and Sacramento) alternates presenting cases. Rotating residents and medical students are expected to attend.
3. **Presentations.** Once during the rotation, each rotator is expected to do an approximately ten minute presentation with a handout (**no powerpoint presentations**) on a toxicological topic of their choice. Presentations are done at the beginning of Journal Club. Rotators will be able to see fellows and other rotators give example presentations. Please obtain and read primary literature in your preparation of this. If there is any question regarding a relevant topic please let us know and we will help out.
4. **Bedside consultations.** It is expected that rotators will take call (**8 times if rotating for the month, 4 times if rotating for two weeks**). For those rotating for the month we also desire you to take call for one weekend of the month. This needs to be coordinated with the fellow taking call that day/weekend as they will be the person initially contacted. The rotating resident or medical student will perform the history and physical examination on the patient and provide a written consultation with the help of the toxicology fellow. We currently do bedside consultations at both UCSD hospitals (Hillcrest and Thornton), Scripps-Mercy, Rady Children's, VA Medical Center, and Balboa Navy.
5. **Phone consultations.** Every **Wednesday and Friday** the fellows will pull poison center cases that they desire to review. The fellow and faculty will discuss the cases and direct the rotators in contacting the providers, obtaining more information and giving recommendations. On these days this will typically begin at **9 AM**.
6. **Daily Rounds** are done on patients we are actively following and are done at variable times in the morning. It is not expected that rotating residents or medical students round prior to it being done with the fellows and faculty.

UCSD Medical Toxicology

7. **Emergency Medicine Conference.** On Tuesdays it is expected that rotators attend conference. Conference is from 730 to 930 AM in the third floor conference room that overlooks the lobby of the main hospital **except the fourth Tuesday** at which conference begins at 12 PM and is in the dining room of the hospital cafeteria.
8. **Didactic Teaching** is done on various topics throughout the rotation by both the faculty and fellows.
9. **Online Teaching Modules.** At the website: <http://toxicology.ucsd.edu/modules.htm> there are powerpoint lectures with audio on various toxicology topics. Some of these lectures may be given to you live during the rotation and negate any need to review them online. For the following rotators please watch the following lectures:

Emergency Residents and Medical Students: Antidote Update, Botulism, Carbon Monoxide, Cardiac Glycosides, Hot and Altered, Snake Bites, Urine Drugs of Abuse, Wide Anion Gap Acidosis

Pediatric Residents/Fellows: Antidote Update, One Pill Can Kill, Tiny People Tiny Doses, Urine Drugs of Abuse, Wide Anion Gap Acidosis

10. **Questions.** In the binder are toxicology questions from Physician's Evaluation and Educational Review in Emergency Medicine, seventh edition (PEER VII) that were written by Dr. Schneir. Accompanying the questions comprehensive discussions of the answers. They can be accessed on our website at:
<http://toxicology.ucsd.edu/Tox%20Rotation.htm>
11. **Reading.** Currently 3 articles have been placed on our website to read. Access it at <http://toxicology.ucsd.edu/Tox%20Rotation.htm>
12. **Text.** The latest edition of *Poisoning & Drug Overdose* Editor Kent Olson is a great quick reference, particularly when performing bedside consultations. One copy will be left in the conference room for all to use as desired (please leave it there).
Medical students will be provided a copy to borrow during the rotation-has to be returned to get a grade.
Navy residents should have a copy provided/rotated by Navy.
UCSD Emergency Residents will have a copy to borrow during the rotation.
Pediatric residents/fellows: please use the copy in the conference room until we obtain more.
13. **Emergency Medicine Clerkship Lectures (For Medical Student Rotators Only):**
Lectures are given to the medical students rotating on the EM clerkship on Thursday mornings beginning at 8AM. The schedule of these will be provided. Ideally the medical student rotators should attend these unless directed otherwise. **Other rotators are not expected to go to these lectures.**

UCSD Medical Toxicology

14. Poison Center: In the main hospital (first floor west of the reception desk in the lobby room 1-145 in southwing code to get in is 543) is where the San Diego Division of the California Poison Control System is located. Here the poison center staff answer poison related calls and provide help to public and health care professionals regarding the management of poisonings. **Please visit there at least once per week (1-2 hours) per time.** Introduce yourself and then listen in on the calls. Poiso
15. Questions: Questions will be given to you to work on during the rotation and discuss with one of the faculty at during the last week of the rotation. Please work on them during the rotation—the didactic teaching, online lectures, and handbook etc. will be able to provide the answers.

Weekly Schedule

Monday: 930AM-12PM Toxicology Journal Club

12-1pm California Poison Control Center Conference (Alternating Mondays)

Location: Division of Medical Toxicology Conference Room

Tuesday: 730AM-930AM Emergency Medicine Conference

Location: 3rd Floor Conference Room Main Hospital (Overlooks Main Lobby)

Note: On Fourth Tuesdays the conference begins at 12 PM and is located in the main hospital cafeteria room.

Wednesday: 9AM Poison Center Case Review

Thursday: Rounds

Friday: 9AM Poison Center Case Review

Note: Bedside consultations and rounds are done after conferences depending on the attendings/fellows schedules.