

PARKMEDIC/EMS CURRICULUM

Revised: July, 2009

I. GOALS

A. NPS/EMS Operations

- Manage the EMS care in Sequoia and Kings Canyon National Parks (SEKI)
- Provide medical/EMS leadership on a national level for the National Park Service

B. Education

- Educational experience in EMS such that upon completion of the program, residents will have the skills necessary to direct any type of EMS system
- Residents will have a working knowledge of wilderness medicine
- Residents can pursue personal interests in wilderness medicine/EMS (Disaster Medicine, Search and Rescue, Haz-Mat, Aeromedicine, etc.)

C. Scholarly Activity

- Contribute to the “knowledge base” of EMS and Wilderness medicine
- Learn the skills necessary to direct training courses at the EMT-B and Parkmedic levels (See Section III C)

II. LOGISTICS

A. Resident Participation

- The program is designed as a 3-year (R2-R4) commitment by residents
- Residents can opt to participate for only 1 or 2 years but do not get the full benefits/credit of program participation
- All of the hours put in during the R2 – R4 years apply toward the hours required by the Residency Program for your R4 AOC (Area of Concentration). (see AOC section below)

- An AOC and a senior project are requirements for graduation. These requirements can be met within the PM program or outside of it.
- Listed below are the yearly expectations. The hourly commitments include driving and preparation time.
- R2 and R3 Year Expectations (50 hours per year)
 - o Complete one CE session in SEKI each year (10 hours/yr)
 - o Participate (lecture, etc) in one major CE session (MCI drill, EMT-B Refresher, PM course/refresher) each year (10 hours/yr)
 - o On a monthly basis, complete review of PCR's/run sheets/CQI (6 hours/yr)
 - o Monthly PM meetings (4th Tuesday of month)
 - Required to attend a minimum of 4 meetings per year, RSVP needed monthly (16 hours/yr)
 - o PM Faculty "Office Hours"
 - Required to attend two per year. These meetings range from 15 min – 1 hour and are a time to go over projects/research/etc (2 hours/yr)
 - o Tasks/Assignments
 - Need to do 3 assignments over the 3 year (R2-R4) period. These tasks can be simple or complex in magnitude and will have timelines for completion mutually agreeable to the resident and faculty. (5 hours/yr)
 - Some of these tasks may turn into academic works/research projects and would consequently require additional hours and receive additional credit towards a senior project (scholarly work)
- R4 Year Expectations
 - o Expected to do the same as the R2 and R3's (50 hours)
 - o Must attend 6 PM meetings/yr at a minimum.
 - o Must RSVP to all monthly PM meetings

- Participate in formal turnover of responsibilities at end of R4 year. This is where the R4 orientates the incoming resident to the roles/duties of their position
- Need to take on an R4 Leadership Role (50 hours)
 - This includes being the Director of SEKI CE, CQI, Operations or a National NPS Focus (see descriptions listed below of the R4 leadership duties)
- R4 AOC (Area of Concentration) Expectations
 - Any R4 PM resident can designate “EMS/Parkmedic” as their AOC. An AOC is defined by the residency program as 60 days of time (480 hours)
 - All of the hours of work the resident has put into the PM program during their R2 and R3 year apply
 - If the resident does not want “EMS/Parkmedic” as their sole AOC they can split it with any other area of interest
 - Ex: EMS/PM and Ultrasound, EMS/PM and Pediatrics, etc.
 - Then 25 days (approx 200 hours) of credit from the residents work as a PM during their R2-R4 years apply toward their AOC. This leaves the resident with 35 days of AOC time in their 4th year of residency to put into the other area of interest (ultrasound, etc)
 - The R2-R4 Expectations as listed above (200 hours)
 - National Conference (100 hours)
 - The Resident will need to attend and potentially present at one National EMS Conference during their time in the PM program
 - Presentations will likely result in a “deliverable”. Ex: National protocol, teaching module, etc
 - Major CE Course Leader
 - The resident needs to lead at least one Major CE Course during their R2-R4 years

- The time expectation varies depending on which course you lead.
 - PM January Course (400 hours if solo/200 hrs if done by two people)
 - ❖ Directing this course satisfies the scholarly work senior project requirement for graduation
 - PM Refresher Course (100 hours)
 - EMT-B Refresher Course (50 hours)
 - MCI Drill (25 hours)
 - Local EMS System (50-100 hours)
 - Resident can pick from a variety of meetings/classroom/field activities including the following:
 - Attend County (CCEMSA) CQI, Medical Control, and EMS Staff meetings
 - Attend one or more quarterly State EMS meetings (Ex: EMDAC)
 - Participate in paramedic CE/training
 - Participate in CQI/Tape Review
 - Participate in adhoc meetings
 - Participate in disaster drills
 - Assignments/Tasks
 - Including individual projects of interest
 - Will be reviewed/approved in advance by the faculty (hours will vary)
- Resident Senior Project/Scholarly Work
 - Should be chosen by the end of the R2 academic year
 - Scholarly activities include but are not limited to:
 - Publications in a peer reviewed journal (case report, literature review, original research)
 - New Protocols/Procedures in the NPS EMS Field Manual

- January Course Leader
- Writing a chapter in a textbook
- All Parkmedic/EMS scholarly activity will have a lead and supporting faculty and a lead and supporting resident. It is expected that all residents in the three year tract will participate as a lead resident in at least one scholarly activity.
- Usually there are multiple residents (of different levels) on a scholarly activity. This helps ensure completion and continuity
- Residents need a Senior Project/Scholarly work as a graduation requirement. You can fulfill this requirement within the PM program or outside of it (with another faculty)

III. R4 Leadership Roles

A. Administration/Operations Director

- The PGY 4 Residents are responsible for overseeing the entire SEKI EMS operations. Duties include:
 - Run all resident Parkmedic/EMS meetings (set agenda, chair meeting, provide minutes). This entails keeping the meeting on schedule
 - Coordinate the 5-10 minute presentations of topics/research/etc that will occur in the beginning of each monthly PM meeting.
 - You are responsible for the minutes. You can assign them to another resident or do them yourself.
 - Provide a yearly summary report of all Parkmedic/EMS activities to the Faculty by May.
 - Oversee the ongoing development and review of the policy and procedures (protocols) for SEKI.
 - A portion of the policy and procedure manual will be reviewed on a continual basis (All residents participate.)
 - New policies are developed as needed. (All residents participate.)
 - Serve as the lead person for day-to-day operational issues.
 - PM Closet Organization

- This closest is located in the UCSF building and is home to our wealth of training supplies. It is your job to keep it up to date and organized.
- o Web Page Maintenance – Ensure the PM website stays current

B. CQI Director

- A PGY4 is responsible for the management of the SEKI CQI system.
- Each SEKI PCR/run sheet is reviewed (all residents participate)
 - o Completed CQI statistics are assembled for review
 - o Other CQI projects will be assigned to PGY2 and PGY3 residents as deemed necessary by the PGY4.
 - o CQI topics/run sheets should be given monthly to the residents going up to SEKI for CE.
 - o Develop CQI bullet points monthly or quarterly as needed
 - o Keep a log of how many CQI sheets are assigned/completed by the residents each year and give this log to Donna on a quarterly basis

C. Training/CME

- A PGY4 is responsible for the management of all training/CME.
- Duties include:
 - o Review the topics/drugs/procedures with the PM Faculty to make sure they are covered adequately in the CE schedule
 - o Create a yearly CME schedule and assign PM residents to each monthly SEKI CE session. Try to ensure that a senior resident is paired with each R2 who may not have been up in the park previously.
 - o All CE sessions are the 1st Monday of the month at Grant Grove unless designated otherwise by mutual agreement of the SEKI EMS Coordinator and the residents
 - o CE sessions are usually 4 hours in length and are small group. They can be case based scenarios, traditional lectures or even Jeopardy style. It is up to the residents leading the CE session. CE sessions also include reviewing PCR's and a skills session. The skills session is hands-on and reviews procedures (ex: King Tube, IO, IV, etc).

- Coordinate and participate in the 3 major CE sessions (EMT Refresher, MCI Drill, PM Course/Refresher)
- The PGY4 will assure other training responsibilities, which may include budget, curriculum, teaching operations, critique, and/or oversight for the following courses:
 - Biannual PM Refresher – PGY4 (advise), assisted by 2 residents from two different years.
 - Yearly EMT Refresher – PGY3(lead) and PGY2(assist).
 - Yearly MCI Drill – PGY4(lead) and PGY3(assist).
- Parkmedic Certification Course
 - One or two PGY4's will take the lead in running the course including planning, budget, curriculum, day to day operations, and critique.
 - All residents are expected to participate in this course to a minimum level of one lecture and one workshop.
 - A designated PGY2 will take an apprenticeship role to the PGY4 for this course.

D. NPS – National Focus

- Attend monthly conference calls and protocol revision meetings
 - Attend at least 5 conference calls
- Participate in national and SEKI protocol and policy development as needed
- Invited to attend/present at the National meeting that is held yearly
- Projects will be assigned with end products being deliverables as generated from the monthly NPS Advisory conference calls.
 - Likely, 3 to 4 projects mutually agreed upon with a time frame