



# County of San Diego

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**WILMA J. WOOTEN, M.D., M.P.H.**  
PUBLIC HEALTH OFFICER

## **BASE STATION PHYSICIANS' COMMITTEE MEETING**

Marcus Wang, M.D., Chairperson

Sharp Spectrum Auditorium  
8695 Spectrum Center Court, Kearny Mesa  
San Diego, CA 92123

Tuesday, July 19, 2016 – Minutes

### **Present Members**

Dunford, M.D., Jim – City of SD Med. Dir.  
Grad, M.D., Michelle – Palomar BHMD  
Harley, M.D., Jim – Rady Children's  
Haynes, M.D., Bruce – County EMS  
Kahn, M.D., Chris – UCSD BHMD  
Levine, M.D., Saul – Sharp Memorial  
Rosenberg, R.N., Linda – Sharp Memorial  
Schwartz, M.D., Brad – AMR/RCCP Director  
Smith, D.O., Ryan – Tri-City BHMD  
Wilke, M.D., Gary – Carlsbad Fire  
Wang, M.D., Marcus – Scripps Mercy BHMD  
Weinstein, M.D., Steven – Sharp Grossmont

### **County Staff**

Ameng, R.N., Diane  
Mahoney, R.N., Meredith  
Smith, R.N., Susan  
Stepanski, Barbara  
Vassiliou, Elaine/recorder

### **In Attendance**

Baird, Robert -- USBP  
Bingham, Jim -- Viejas  
Bourdon, R.N., Darlene – Scripps Mercy  
BHNC  
Calhoun, Jeff – Escondido Fire  
Corbett, James – UCSD  
Darocki, Mark – UCSD  
deKlerk, R.N., Maude – RCCP  
Donofrio, M.D., Joelle – Rady/UCSD

### **In Attendance (cont'd)**

Dotson, R.N., Melody – UCSD BHNC  
Duffy, R.N., Jenny – San Marcos Fire  
Ferraro, Joe – Miramar Fire  
Fried, Ray – Poway FD  
Gardiner, Yana – Tri-City Medical Center BHNC  
Graydon, R.N., Cheryl – Palomar Medical Center  
BHNC  
Healy, R.N., Marla – Sharp Memorial  
Idman-Gervais, R.N., Dianne – Sharp Grossmont  
Jacoby, Jake – UCSD/DMAT  
Kay, Karen – AMR/CSA 17  
Lord, Scott – Mercy Air  
Mahr, Kevin – North County  
Maisonet, Scott – USBP  
Marzec, M.D., Karl -- Palomar  
McDonald, Patrick – Vista Fire  
McFarland, Jeanne – Escondido Fire  
Meadows-Pitt, R.N., Mary – Sharp Grossmont  
BHNC  
Neill, Mark – REACH Air  
Pearson, Danielle -- Vista  
Peltier, R.N., Patricia – AMR  
Pierce, Jodi – SDFD  
Rosenberg, R.N., Linda – Sharp Memorial  
Seabloom, R.N., Lynne – Oceanside Fire  
Sloane, M.D., Chris – Mercy Air  
Staats, M.D., Katherine – UCSD  
Tarin, Lyndsey – Miramar Fire  
Wallace, Amy – Sharp Grossmont  
Wells, R.N., Christine – Scripps La Jolla BHNC

**I. CALL TO ORDER/INTRODUCTIONS/ANNOUNCEMENTS**

Marcus Wang, M.D. called the meeting to order at 11:08 am.

**II. APPROVAL OF MINUTES**

**A motion was made and seconded to approve the minutes from June 21, 2016. Motion carried.**

Introduction of Dr. Kathy Staats-EMS & Disaster Medicine Fellow, UCSD. She will give a presentation today on Perfusion Support Strategy for Pre-Hospital Refractory VF. Karl Marzec, M.D. from Palomar Medical Center and Ben Walmath, M.D. from Navy Medical Center, San Diego.

**III. MEDICAL DIRECTOR’S REPORT (Bruce Haynes, M.D.)**

- A. Please keep the law enforcement officers that were killed in your thoughts and prayers.
- B Dr. Haynes has announced his retirement. The County of San Diego is currently looking for a new Medical Director to fill this position.
- C. Palomar Hospital is in discussion to determine the feasibility of a trial program for patients determined in the field to be mildly ill. The Base physician and the paramedic would work together to screen these patients and determine transport, non-transport or destination.
- D. The trauma resource audit using March 2016 data from the trauma centers is being completed. The survey includes six data points.

**IV. SAN DIEGO HEALTHCARE DISASTER COUNCIL (Chris Wells, R.N.)**

There will be a planning meeting tomorrow (7/20) for the November 2016 exercise.

**V. SAN DIEGO HEALTH CONNECT**

San Diego County will become the first county in California to have an electronic registry for POLST documents. The POLST document will become available to field personnel. This was possible through a grant from the state EMS Authority to San Diego Health Connect. San Diego County will also be the first county to provide real time information to EMS agencies through the Directional Information Exchange system.

**VI. CARDIAC ARREST TASK FORCE (Brad Schwartz, M.D.)**

There will be a conference call this week on Wednesday and Thursday (July 20-21). The call on Wednesday will be from 2-3pm, and the call on Thursday will be from 10:30-11:30am. The subject of the call will be AB 1719 and strategies to ensure the bill becomes law. The CARES registry has enrolled many of the agencies in San Diego County.

Cardiac arrest draft protocols were discussed before going to the protocol committee. These include: Termination of Resuscitation, PEA/Asystole and VF/Pulseless VT. Highlights and comments:

1. Team Leader Role
  - one person who is in charge-to oversee the quality of CPR.

2. Charge Monitor prior to rhythm checks
  - goal is to prevent delays
3. Epi x1-discussion on use of Epinephrine
4. Amiodarone or Lidocaine
  - survival rates are increased when used early and/or in cases of witnessed arrest.
5. Persistent VF
  - transport to STEMI center or ECMO center per base hospital physician's order. In cases of cardiac arrest, it is preferable to stay on scene and provide high quality CPR if possible.
6. Current policy—
  - transport patients with ROSC to nearest STEMI center.
7. PEA/Asystole
  - separate into two separate protocols.
8. ROSC
  - remove the section, "obtain 12 lead after 8-10 minutes while on scene."

Recommendation of the use of a mechanical device when transporting cardiac arrest patients. The draft documents will be updated to incorporate BHMD feedback.

## VII. COMMUNITY PARAMEDICINE REPORT

The San Diego Resource Access Program (RAP) is progressing well. There was a site visit about three months ago, and the report should be available in the near future. There are now thirty five super-users in the program. The program lost two community paramedics. The San Diego Police Department has provided a PERT clinician to the program recently. On September 22, 2016, there will be a community paramedicine symposium at the Holiday Inn Bayside, San Diego. The symposium is free.

## VIII. PROTOCOL REVIEW-CARDIAC ARREST DRAFT PROTOCOLS (Brad Schwartz, M.D. and Don Sullivan)

Cardiac arrest draft protocols included Termination of Resuscitation, PEA/Asystole and VF/Pulseless VT. These drafts were updated by the Cardiac Arrest Task Force using recent AHA and ALPS research and were presented and discussed at BSPC. Due to suggested major changes to current protocols these drafts were presented at BSPC instead of being presented at the protocol committee.

## IX. ED ECMO (Kathy Staats, M.D., EMS & Disaster Medicine Fellow, UCSD)

Kathy Staats, M.D. from UCSD presented a **Study Review: Perfusion Support Strategy for Pre-Hospital Refractory VF.** When the Minnesota Resuscitation Consortium implemented an advanced perfusion and reperfusion life support strategy to improve functionally favorable survival to hospital discharge in patients with out-of-hospital refractory fibrillation/ventricular tachycardia (VF/VT).

- The goal of the study was to assess functionally favorable survival to hospital discharge in patients with refractory VT/VF with advanced perfusion and reperfusion strategies with a systems approach.

- Extracorporeal membrane oxygenation (ECMO) is technology that has been used since the 1970s as a way of providing cardiac and pulmonary support. About a third of out of hospital cardiac arrest present to EMS with Ventricular fibrillation or
- Ventricular tachycardia, which accounts for 80% of out of hospital cardiac arrest survivors.
- Topics presented included review of inclusion and exclusion criteria, outcome measures, mobilization process, patient demographics, cardiac and neurological, survivor characteristics, and conclusion.
- Overall the study showed prehospital initiated ECMO for refractory VF arrest resulted in decrease mortality when compared with a similar population and that other studies showed similar results.
- Discussion on the future of San Diego County Treatment Protocols if in refractory VF/VT to activate Code ECMO and transport to Extracorporeal Life Support (ECLS) Receiving Center.

#### **X. ITEMS FOR FUTURE DISCUSSION**

No report.

#### **XI. SET NEXT MEETING/ADJOURNMENT**

The next Base Station Physicians' Committee meeting will be on Sept. 20, 2016. It will be held in the Sharp Spectrum Auditorium.

\*Please note: There will be no BSPC/PAC meeting in August 2016.

The meeting was adjourned at 12:31 p.m.