

**Northwest Community EMS System
Research and Development Committee Minutes
Wednesday, November 6, 2024**

Topic	Discussion	Actions/Follow-Up
Call to Order	<p>The meeting is being held in a hybrid fashion, with an in-person option available at the 901 Building and an online option for those unable to attend in-person.</p> <p>Meeting called to order at 0903 hours by Scott.</p>	
New Members & Guests	Representatives from Stryker/Physio introduced to demo the LifePak 35.	
Minutes & Agenda	Motion to approve September '24 minutes made by Dr. Jordan, second by Matt. All in favor. Motion granted; minutes approved. No changes or additions to agenda.	
<p>Old Business</p> <p>a. OneWeight/OneDose (C. Mattera, NCH)</p> <p>b. SAM Pelvic Sling II (K. Chesney, NCH)</p> <p>c. EMS World Expo Sept 9-13, 2024 (M. Jordan, NCH)</p> <p>d. Vents (Hamilton T1 & Ventway Sparrow) (S. Renshaw, BGF D)</p> <p>e. Ultrasound (B. Bosco, PFD)</p>	<p>a. OneWeight/OneDose: A mat that can be secured to ambulance cots, allowing for more accurate measurement of a patient's weight. Nothing new currently regarding this item.</p> <p>b. Pelvic Sling: A commercial device that was presented a few months ago by Adam from Superior. Greatest concern is that it is not wide enough to accommodate various sized persons and would have limited use. It was noted that ERs utilize a different sling that might have more potential for the pre-hospital providers. Holding off on the Sling II until we can get more information on the binders used in the emergency rooms.</p> <p>c. EMS World Expo: Matt Siegler – reporting on EMS conference in Las Vegas. Many interesting products. A few ultrasounds that may be worthwhile to use in our system (Exo and Kosmos) specifically that have AI embedded. Shared general info about other interesting classes – many related to sepsis and the use of antibiotics in the field. A few moulage classes, a cadaver lab. His general take-away is that we are relatively ahead of the curve in terms of our care compared to other areas of the country.</p> <p>Oct 2025 – next year's EMS conference will be held in Indianapolis.</p> <p>d. Vents: Nothing new currently.</p> <p>e. Ultrasound: Field trial currently underway at Palatine FD with the Butterfly IQ Plus. Dr. Jordan is reviewing documents regarding use, scope of practice, etc. Once he approves, training will take place and the field trial will begin. R&D will narrow down ultrasounds to the top 3 that they feel will benefit EMS. Once a list is compiled, the committee will divide into 3 groups and assign each group an ultrasound. Each group will review, do a cost analysis and state pros/cons of their assigned ultrasound to present to committee at the January meeting. Criteria will be established so there can be consistency in evaluating each ultrasound.</p>	<p>Kourtney will follow up with ER staff to get name and information for the pelvic binders they use, and report back to R&D at their next meeting.</p> <p>Scott will publish a criteria sheet for standardized evaluation of each ultrasound. Groups will be formed and assigned an ultrasound, time TBD.</p>

<p>New Business</p> <p>a. Physio LifePak35 *Vendor Demo* (S. Renshaw, BGFD)</p> <p>b. United Diagnostic Services Cancer Screening (S.Renshaw, BGFD)</p> <p>c. BD IO (S. Renshaw, BGFD)</p> <p>d. January Meeting Date (S. Renshaw, BGFD)</p>	<p>a. Physio LifePak 35 Vendor Demo: - Several reps here from Stryker to present. Overall summary with some highlights: The LifePak 35 brings all the essential features of the Lifepak 15, while upgrading technology such as implementing a touchscreen. It has a slimmer design. 3.5 lbs. lighter than the 15. Biggest screen available on the market today at 10.4". Has an adjustable kickstand, allowing for various viewing angles. Batteries slide into the side of the monitor. Battery life increased to 9 hours; battery status displayed. 2 main cables – therapy cable, and ECG monitoring. ECG cable now plugs into side, out of the way, while the therapy cable now inserts on the top of monitor, out of way. Quick access connections on front include BP, EtCO2 and SpO2. Larger handle. Buttons on front = power button, charge button, defib/shock button. Speed dial still exists. Allows for patient info to be entered, such as name, weight, DOB. As soon as a cable is plugged in and picking up a signal, it will show up on the display. During a 12-lead, can zoom in on a specific lead if you want, and display them on the screen individually. 12-lead button on the bottom allows you to see all 12 leads. (FYI - Capability of seeing 15 leads if we ever go to that as a protocol). Printer optional, all data is saved to the cloud for easy access. Once 12-lead is set up, it will automatically reacquire every 30 seconds. During a 2.5 min period, if the monitor notices a change of 1mm, it will reprint and notify crews on the screen with a warning. Under the events menu, you can select medications, or an event/skill/treatment and it will time stamp it. CPR-Insight will read the underlying rhythm through active CPR.</p> <p>Motion to add Lifepak35 to drug and supply list by Tina, second by Eric. Motion granted; monitor will be added to current D&S list.</p> <p>b. United Diagnostic Services: It's a diagnostic tool that allows for cancer screening to catch a variety of medical conditions early (not only cancer). It has been utilized at a handful of local departments and has caught early cancers or other medical conditions that were able to be treated with positive outcomes for those firefighters due to the early diagnosis.</p> <p>c. BD IO: Information presented on BD vs Teleflex IO. First was a cost comparison; the BD Drivers = \$699, while Teleflex = \$299. However, BD is currently running a promotion of a 1:1 exchange of drivers, so if you turn in a Teleflex driver, you get a BD one for free. Teleflex needles = \$110 vs BD = \$26.60. Short video on the BD presented to the group. More advances with the BD vs the Teleflex that we currently use. Dr. Jordan would like to have BD come in and present at our January meeting so we can have a more informed discussion. Quick question was to confirm if the prices on the needles – to ensure it is the entire package of the needle, connection tubing, securing device, etc.</p> <p>d. January meeting: **Date change to January 8th due to holiday**</p>	<p>Scott will confirm pricing on needles, as well as set up a vendor demo for January's meeting.</p>
<p>Open Session</p>	<p>Discussion to move meeting time up to 10:30 regularly, as PBPI has been finishing earlier. Members agreed to the 10:30 start time moving forward.</p>	
<p>Adjournment</p>	<p>Next meeting January 8, 2025. Motion to adjourn meeting made by Ben, second by Eric. All in favor. Motion granted; meeting adjourned at 12:23pm</p> <p>Minutes respectfully submitted by: Nichole Junge, RN, PM</p>	