

Case for Support: Enhancing Electrophysiology Competence

**For more information, please contact:**

Bettina Daly, (201) 291-6193  
bdaly2@valleyhealth.com

***Enhancing Electrophysiology Laboratory  
Competence through Advanced Training***

**The request:** The Valley Hospital Foundation respectfully asks for your support to enhance the training of our technicians and nurses in the electrophysiology (EP) laboratory using specialized modules designed to improve clinical competencies, reduce operational challenges, and enhance patient outcomes in our EP lab.

**Background and Rationale:**

The EP laboratory is a critical component of cardiac care, where precision and expertise are paramount. Our facility has identified a significant need for advanced training to enhance the skills of our technical and nursing staff and to reduce reliance on only a few highly skilled staff members. By investing in comprehensive training programs, we aim to mitigate risks, reduce staff turnover, and ensure the delivery of high-quality care.

**Project Goals/Expected Outcomes:**

- Enhance the clinical competencies of EP lab staff
- Reduce operational downtime and improve lab efficiency
- Improve staff retention and reduce reliance on temporary staffing solutions
- Improve patient outcomes through advanced training in EP procedures

**Program Description:**

The proposed training will involve the following modules provided by **Cardiac Lightbulb:**

- **EP Safety 101 Boot Camp:** Eight hours of live, on-site engagement; one month online curriculum; two 15-minute one-on-one video calls with an expert; and live virtual one-on-one final competency check
- **EP Fundamentals + Monitoring:** 12-week multi-session program; biweekly 2-hour Zoom sessions; and comprehensive coverage of conduction systems, ECGs, intracardiac catheters, EP studies, SVTs, and advanced pacing maneuvers

**Budget:**

The grant funds will be allocated as follows:

- **EP Safety 101 Boot Camp:** \$3,000 per seat for 20 participants = \$60,000
- **EP Fundamentals + Monitoring:** \$7,500 per seat for 10 participants = \$75,000
- **Additional Resources and Materials:** \$5,000

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**Conclusion:**

This training initiative is the first step in establishing a continuous education program, leveraging the initial training to build a robust, self-sustaining model for future skill enhancements.