



Date: September 23, 2019

To: Jay Reynolds,  
Chairman of Finance Committee

From: Wes Barnt,  
VP, Operations

RE: Selection of Cardiac Nuclear Medicine Camera

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The Cardiac Nuclear Medicine Camera, located within Permian Cardiology, was purchased by Permian Cardiology in 2004. The system was then acquired by Diagnostic Imaging Associates in 2010. Although this system has been a good system, there are a few challenges that can be improved upon with a newer system.

The system is not DICOM compliant and parts are not readily available. In order to submit images to our accrediting body (ACR), the information on the computer screen is captured with a cell phone camera and then emailed to print. The ACR has been gracious enough to us to accept these images to date.

Also, the current scan time for the patient is 16 minutes when compared to the newer system offering a 4-minute scan time. A cardiac patient who is being asked to lay on their stomach for 16-minute resting and 16 minutes stressed (32 minutes total) is untenable. An even more painful request when the patient has a history of cardiac surgery. As an additional benefit, having a faster scanner will allow for more patients being imaged each day. Currently, we can only image 8-10 patients each day. The new system will allow us to image an additional 2-4 patients each day.

Two vendors responded to the bid request: GE and Spectrum. Both systems meet bid requirements. Spectrum also offers upright scanning where GE does not. Acquisition costs are:

**GE Healthcare**

\$446,704

**Spectrum Dynamics Medical**

\$393,486

**Recommendation:** Purchase **Spectrum Dynamic Cardiac Nuclear Medicine Camera for \$393,486**. Since this scanner is part of the Diagnostic Imaging Associates joint venture, 25% of the cost of the scanner (\$98,372) will be shared with the Radiologists. Scanning 2 additional patients each day (about 500 per year) will contribute \$420,873 in additional net income in the first year.