Salient Characteristics required for the procurement of an HD- Optical Coherence Tomography unit for Bay Pines VAHCS (516)

- Must be Self- Contained unit
- Dimensions: 26 L, 18 W, 21 High
- Live fundus image – during alignment and during OCT scan
- Live iris image during alignment
- Must have Scan Speed of 27,000 – 68,000 A-scans per second
- A-scan depth 2.0 mm (in tissue), 1024 points
- Axial resolution is 5 um (in tissue)
- Methodology – CCD Camera
- Resolution 1280 x 1024

For Retina Purposes:

- Automatic Fovea Finder for precise alignment of retinal
- Detailed layer maps and more than 100 B-scans
- Cirrus data cubes are registered with data from prior visits after the scan is acquired. This enables side-by-side visualization of the same location on the retina for each visit
- Compares measurements from the current and prior visits to provide a thickness change map that helps you determine next steps for your patient
- 3-D cubes and advanced visualization can be used for pre-operative planning for VRI disorders

For Glaucoma Purposes:

- Glaucoma applications include RNFL, ONH and angle assessment as well as the new Ganglion Cell Analysis (GCA)
- When ONH and RNFL status are indeterminate, GCA can sharpen the picture
- Angle imaging and central corneal thickness measurements
- Guided Progression Analysis (GPA) provides a powerful tool for determining change for RNFL and optic nerve head parameters

To be included with the Training:

- Training
- Installation
- One year warranty
- Two operator manuals
- Two service manuals
- Printer
- Table
- Dicom Gateway License

Company must have Field Service Engineers and Clinical Application Specialists to support eye care providers and biomedical engineering support.

Unit must be able to interface with Bay Pines VAHCS information systems