Life is a journey filled with milestones—birthdays and graduations, first dates and weddings, children and grandchildren. But as we travel down the pathway of life, we sometimes hit a bump in the road that forces an unexpected detour. For Paul, that detour happened recently...

During a medical checkup, Paul’s physician, Dr. Taylor, discovers that Paul has enlarged lymph nodes in his chest. Dr. Taylor tells Paul the next step will be testing to find out what is causing the enlarged lymph nodes. Dr. Taylor shares that there is new technology coming to Capital Region Medical Center (CRMC) that can be used to make a diagnosis – the Endobronchial Ultrasound Bronchoscopy (EBUS). EBUS is a minimally invasive but highly effective procedure used to diagnose lung cancer, infections, and other diseases causing enlarged lymph nodes in the chest.

The Need - Why is it Used
EBUS allows physicians to perform a technique known as transbronchial needle aspiration (TBNA) to obtain tissue or fluid samples from the lungs and surrounding lymph nodes without conventional surgery. The samples can be used for diagnosing and staging lung cancer, detecting infections and identifying inflammatory diseases that affect the lungs, such as lymphoma or other cancers.

The Solution - What Makes EBUS Different?
During the conventional diagnostic procedure, surgery is performed to provide access to the chest. A small incision is made in the neck just above the breastbone or next to the breastbone. Next, a thin scope is inserted through the opening to provide access to the lungs and surrounding lymph nodes. Tissue or fluid is then collected with a biopsy.

The EBUS procedure is different:
- The procedure is performed using a bronchoscope that is inserted through the patient’s mouth
- Endobronchial Ultrasound is used to guide needle aspiration on lymph nodes throughout the patient’s airways for diagnosis and staging of lung cancer
- NO INCISIONS ARE REQUIRED

The Benefits of EBUS
- EBUS spares the patient an invasive procedure and could have a major impact on his/her disease management
- It provides real-time imaging of the surface of the airways, blood vessels, lungs, and lymph nodes
- The improved images allow the physician to easily view difficult-to-reach areas and to access more, and smaller, lymph nodes for biopsy with the aspiration needle than through conventional diagnostic procedures
- The accuracy and speed of the EBUS procedure lends itself to rapid onsite pathologic evaluation
- Pathologists can examine biopsy samples as they are obtained and can request additional samples to be taken immediately if needed
- EBUS is performed under moderate sedation or general anesthesia
- And for patients like Paul – they recover quickly and can usually go home the same day!

Additional Benefit of Capital Region’s EBUS Technology - Andrew Parker, D.O.
We are pleased to announce Andrew Parker, D.O., will be joining CRMC in June. Dr. Parker is a Pulmonary and Critical Care physician who has been performing EBUS bronchoscopies for more than five years and will bring this advanced diagnostic option to our Capital Region patients.

The Opportunity
To help bring this new EBUS technology to CRMC, Capital Region Medical Foundation has launched its 2017 Campaign to raise $100,000 for the EBUS. The remaining cost will be funded by CRMC, The EBUS will bring advanced healthcare benefits to the patients and families we serve in our community.

For more information, contact Rita Kemplek.
Capital Region Medical Foundation
573.632.5007 | rkempker@crmc.org

www.crmc.org