

# Using the RSNA Teaching File System (TFS) in a Large Private Practice-

## To Enhance Sharing of Cases/Education and to Provide CME for its Members

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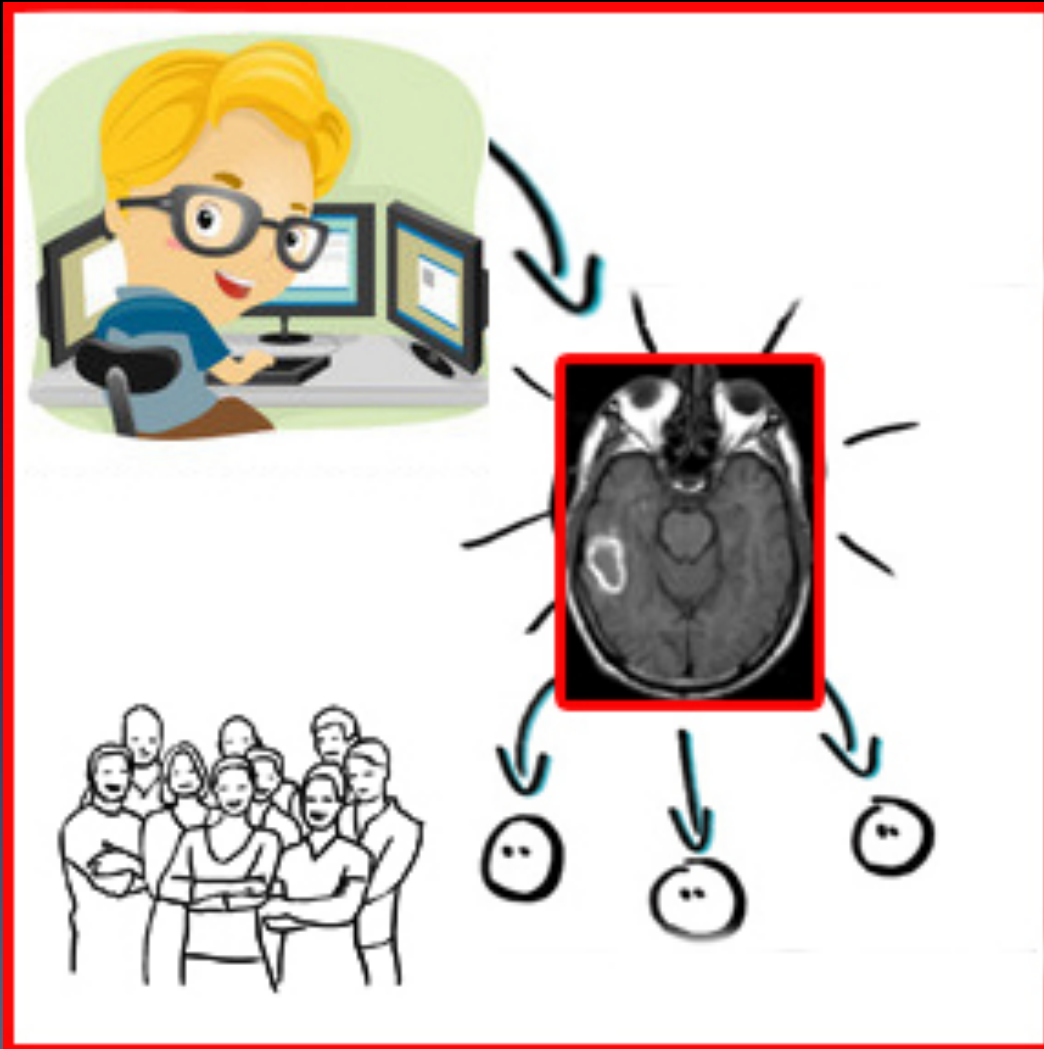
Austin Radiological Association



# Purpose

- **The purpose of this presentation is to demonstrate how a large private practice Radiology group incorporated the free RSNA software to enhance sharing of Radiology Cases encountered in our practice**

# Purpose

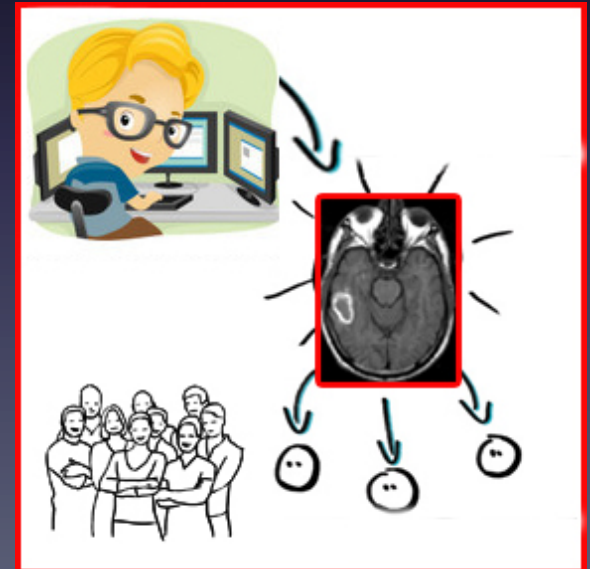


- **Problem**
  - Sharing Cases In A Large Group?
- **Solution**
  - RSNA Teaching File System

# Purpose

- **Benefits**

- Improve Radiologic Knowledge To The Members of Our Radiology Group
- Allow Sharing of Interesting Cases
- Provide Access for CME Credit



# Methods

- **Free Software Downloaded from RSNA MIRC site**
- **A Separate Server was used within the Group's PACS system**
- **The System was Maintained by the Group's IT Department\***

\*Special Thanks to Craig Dreiss and Wes Jamison



# Methods

- Radiologists Were Recruited From The Various Subspecialties
- “Author” Radiologists Were Trained To Access Images From Three Different PACS systems used by the Group
- Images Were Anonymized to Comply With HIPAA Privacy Standards



# Methods

- **A New “Case of the Day” was constructed by each Individual “Author” Using the RSNA Teaching File System Software (Developed Under RSNA MIRC Project)**
- **Powerpoint Slides Incorporated Into Cases To Enhance Teaching Value**
- **Questions Were Submitted for a CME Quiz On a Separate Server**

# Methods

- **Each Weekday, an Email Was Sent To All Members of the Group (ARA Case of the Day!)**
- **A Link Was Provided To Access The Teaching File Server**
- **Each Member Could Then Review The Unknown Case, Findings, Diagnosis, Diff Dx, and Pertinent Information About The Radiologic Diagnosis**



# Methods

- **A Link To The CME Web Site Was Provided**
- **Radiologists Could Then Answer Questions To Obtain CME Credit**
- **0.25 hrs/case**

# Example

History

Findings

Diagnosis

DDx

Five Points

Five Questions

Link to ARA Quiz Web Site

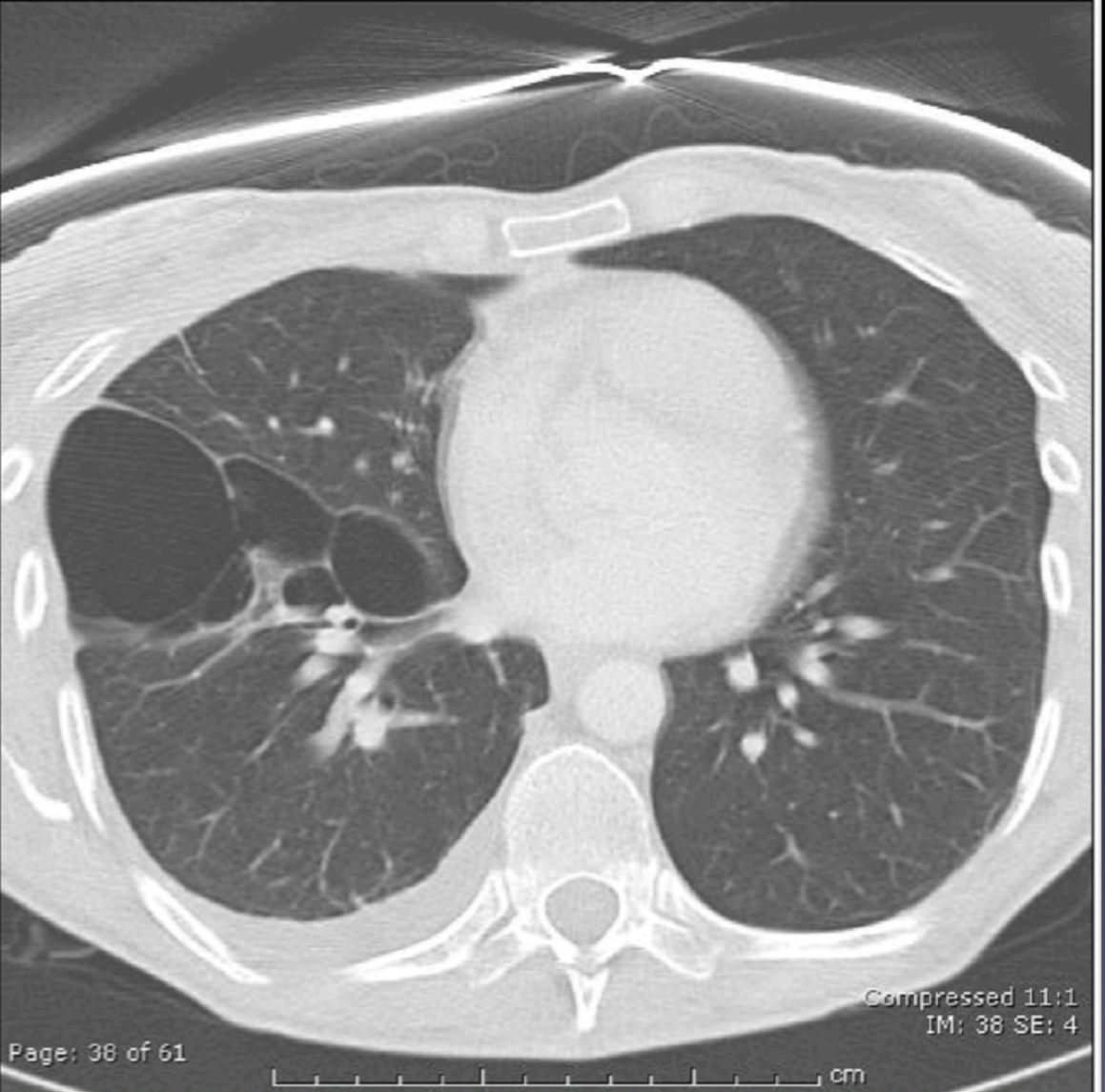
References

Document History Findings Diagnosis DDx Five Points Five Questions Link to ARA Quiz Web Site References

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**History**

- 37 Y/O Female
- Cough
- Fatigue
- Right-Sided Chest Pain
- Additional Pertinent History. No skin lesions. However, both her mother and sister have had several episodes of pneumothorax. Also the mother has been treated for renal cancer.



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Link to ARA Quiz Web Site

References

## History

- 37 Y/O Female
- Cough
- Fatigue
- Right-Sided Chest Pain
- Additional Pertinent History: No skin lesions. However, both her mother and sister have had history of several episodes of spontaneous pneumothorax. Also the mother has been treated for renal cancer.

## 11 Images



## Diagnosis

- Birt-Hogg-Dube Syndrome (BHD)
- First Described by Three Dermatologists in 1977
- Autosomal Dominant Condition
- Skin Fibrofolliculomas, Pulmonary Cysts, Spontaneous Pneumothorax, and Renal Cancer



# Results

- **Out of 93 Radiologists**
  - **20 Radiologists “Authors” Participated**
  - **70 Radiologists Participated In Reviewing The Cases and Taking the CME Quiz**
- **Over a 1 ½ Year Period- More Than 400 Cases Were Generated Using RSNA Teaching File System Software**
- **More Than 1,000 CME Credits Were Earned By The Radiologists**

# Conclusion

- **Using The Free RSNA Teaching File System Software in a Large Private Practice**
  - **Inexpensive Sharing of Cases and Education For The Radiologists in the Group (>400 Cases)**
  - **Added Benefit was Allowing Member Radiologists To Earn CME Credit**

# Conclusion

- **Possible Future Improvements**
  - Incorporating MOC-PQRS Into the Program
  - Including Video Clips
  - Extending Availability To Secure Mobile Devices
  - Using The Teaching File System To Teach Future Radiology Residents at a New Medical School–
    - Dell Medical School at The University of Texas At Austin  
(First Class 2016)





Thanks!

– Dell Medical School at The University of Texas At Austin (First Class 2016)

