

Jonathan Puchalski, MD, MEd: Curriculum Vitae

Name: Jonathan Puchalski, MD, MEd

Education:

B.S. Denison University, 1994

M.D. Wright State University School of Medicine, 1998

M.Ed. University of Cincinnati. March, 2009

Career/Academic Appointments:

1998-02 Resident in Internal Medicine and Pediatrics, The Ohio State University and Columbus Children's Hospital, Columbus, OH

2002-07 Fellow in Adult Pulmonary and Critical Care Medicine and Pediatric Pulmonary Medicine, University of Cincinnati and Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Staff Intensivist and Pulmonologist, Mercy Clermont Hospital, Cincinnati, OH

2007-08 Fellow, Interventional Pulmonology, Hospital of the University of Pennsylvania, Philadelphia, PA

2009-15 Assistant Professor of Medicine, Yale University, New Haven, CT

2015-Present Associate Professor of Medicine, Yale University, New Haven, CT

Administrative Positions:

3/09-Present Director, Interventional Pulmonology

7/14 – Present Director, Interventional Pulmonology, West Haven VA Hospital

7/13-12/15 Co-Director, Pediatric Aerodigestive Program, Yale-New Haven Hospital

8/13-Present Director, Yale School of Medicine Interventional Pulmonary Fellowship

Board Certifications:

American Board of Internal Medicine, Internal Medicine, 2002-2012

American Board of Pediatrics, Pediatrics, 2002-2012

American Board of Internal Medicine, Pulmonary sub-board, 2006-2016

American Board of Internal Medicine, Critical Care sub-board, 2007-2017

American Board of Pediatrics, Pulmonary sub-board, 2011-2021

American Association for Bronchology and Interventional Pulmonology, 2014 –

Professional Honors and Recognition:

International/National/Regional

2013: Murphy, E, Pisani, M, Murphy, T, Araujo, K, Kookoolis, A, Argento, C and J Puchalski. Pleural Effusions and 30-Day Mortality Following Thoracentesis. Top 3 Posters, ACCP

2013: Bramley, K, Pisani, M and J. Puchalski. EBUS-Guided Forceps Biopsies. Featured in ACCP Newsletter January 2014. Presented as a talk, ACCP

2013: Erb, C., Pisani, M and J. Puchalski. The Utility of Silicone Y-Stent in the Secondary Carina for Life-Altering Bronchoesophageal Fistula. ACCP oral presentation, 2013. Best Case Award.

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2012: Matthews, K, Honiden, S, Green, O., Mathur, A., and J.T. Puchalski. "A Crazy Case of Acute Respiratory Failure". ACCP presentation, 2012. Best Case
2006: Best Case, ACCP Chest Conference. Pediatric and Gynecologic Curiosities.
1997: Alpha Omega Alpha
1994: Phi Beta Kappa

University

2004-05: Outstanding Fellow Award, University of Cincinnati
2002: Housestaff Teaching Award, The Ohio State University
2002: Resident Teaching Award, Columbus Children's Hospital
1998: Dean's Award, Wright State University School of Medicine
1998: Lebamoff Scholarship, AOA
1998: Academy of Medicine Student Excellence Award

Grant/Clinical Trials History:

Past Grants

Agency: ACCP LEARN Scholarship
Title: PEDSEEK, a pediatric pulmonary board review tool.
P.I. Jonathan Puchalski, MD
Total Costs: \$15,000
Period: 1/1/06 – 12/31/08

Agency: NIH
Title: T32 grant for research regarding NADPH oxidase and Pulmonary Alveolar Proteinosis
P.I. Jonathan Puchalski, MD
Percent Effort: 100%
Project period: 11/01/05 – 11/01/07

Agency: CF Foundation
Title: Fellowship award
Awarded to University of Cincinnati for fellowship funding
Project period: 2003-2005

Clinical Trials

Primary Investigator: Lung Volume Reduction Coil Treatment in Patients with Emphysema (RENEW) Study 2015- Present

Primary Investigator: LVRC IDE Crossover Study 2015 - present

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale:

International / National:

2016: Moderator, Pulmonary Alveolar Proteinosis: Clinical Trial Questions. Cincinnati, OH
2015: The Impact of Interventional Pulmonary Procedures on Dyspnea and Quality of Life,

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- ACCP CHEST meeting, Montreal Canada. Session moderator.
- 2015: The Impact of Interventional Bronchoscopy on Dyspnea and Quality of Life, ACCP CHEST meeting, Montreal Canada. Speaker.
- 2015: The Role of Advanced Practice Providers and Pulmonary Procedures, ACCP CHEST meeting, Montreal Canada. Speaker and session moderator.
- 2015: Building a Pediatric Aerodigestive Program, ACCP CHEST meeting, Montreal Canada. Speaker and session moderator.
- 2015: Original Investigation, Pleural Disorders, ACCP CHEST meeting, Montreal Canada. Session moderator.
- 2015: Interventional Pulmonary Case Reports, ACCP CHEST meeting, Montreal Canada. Session moderator.
- 2015: Pleural Disease: Year in Review. The Second International Meeting of Pleural Diseases, Boston, Massachusetts. Speaker and conference co-director.
- 2014: Making Cents of Pulmonary Procedures, ACCP CHEST meeting, Austin, TX. Session moderator.
- 2014: Making Cents of Pulmonary Procedures, ACCP CHEST meeting, Austin, TX. Speaker: Pleural procedures: Ultrasound, Pleural Biopsies and Tunneled Catheters: When and Where?
- 2014: Speaker, Advanced Pediatric Bronchoscopy: Foreign Body and Congenital Anomalies.
- 2014: Poster moderator, ATS. Session: "The Spy Who Stole Bronchoscopy." San Diego, CA
- 2013: 4th Forum of Lung Cancer and Interventional Pulmonology; Speaker; First Affiliated Hospital of Wenzhou Medical University; Wenzhou, China
- 2012: ATS Poster moderator, Pulmonary Alveolar Proteinosis (PAP), San Francisco, CA
- 2011: ATS Poster Moderator, Pleural Disease, Denver, Co
- 2010: Interventional Pulmonary in Pediatrics, ACCP CHEST Meeting, Vancouver, Canada
- 2010: Interventional Pulmonology, St. Francis Hospital, 14th Annual Thomas J. Godar Pulmonary/Critical Care Symposium, CT
- 2009: Pediatric Bronchoscopy Year-in-Review, ACCP CHEST Meeting, San Diego, CA
- 2009: Learning Curve for New Technologies, Society of Thoracic Surgeons, Lake Tahoe, CA
- 2008: American Thoracic Society, Standardization of Whole Lung Lavage for Pulmonary Alveolar Proteinosis, Toronto, Canada
- 2007: Ohio Thoracic Society, Fellow's Jeopardy
- 2007: University of Cincinnati, Bronchiectasis: Pulmonary Medicine Update for Practicing Pulmonologists.
- 2006: Ohio Thoracic Society, Fellow's Jeopardy
- 2006: Cardiopulmonary Summit, Cystic Fibrosis, Louisville, Kentucky
- 2006: Ohio Thoracic Society. Broncho-esophageal Fistula as a Cause of a Chronic Cough in a 30 year-old Patient.
- 2006: North American CF Conference: Organizing Pneumonia in a Patient with CF.
- 2004: North American CF Conference: The Second Cough in a Patient with CF.
- 2004: Ohio Thoracic Society, Influenza Causing Septic Shock.
- 2003: North American CF Conference, Moderator, Adult Fellow's Case Session.
- 2002: The Ohio State University, Grand Rounds. CF: An Adult Disease.

Regional

- 2014: Pneumothorax, Lawrence and Memorial Hospital Emergency Medicine CME, New London, CT
- 2014: The Pulmonologist and Lung Cancer, Lawrence and Memorial Hospital evening seminar,

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New London, CT

- 2012: Care of the Patient with Airway Stents, Gaylord, North Haven, CT
2011: Lung Cancer Series: Palliation a Key Part of the Package; New Haven, CT
2010: Connecticut Respiratory Society: Airway Stents: Why, When and How They Affect Respiratory Therapists, New Haven, CT

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale:

International / National

1. Hirsh, J, Bournival, N, Pisani, M, **J T Puchalski**. A Caustic Case of Acute Calcium Tablet Aspiration. ACCP CHEST poster 2016.
2. Senitko, M and **J. Puchalski**. An Unusual Cause of Left Neck Swelling. ATS poster. 2016.
3. Senitko, M, **Puchalski, J**, and K Bramley. Pneumothorax and Subcutaneous Emphysema in the Setting of Malignant Effusion and Tunneled Pleural Catheter. ATS poster. 2016.
4. Ramaswamy, A, Jin, L, Hu, B, et al. MiR-1 Expression in the Vicinity of Non-Small Cell Cancer Correlates with Patient Survival. ATS poster. 2016.
5. Pinto, S, Pisani, M, Araujo, K, Argento, C, Kookoolis, A and **J Puchalski**. Impact of Endobronchial Ablation Therapy and Airway Stenting on Dyspnea and Activities of Daily Living. ATS poster. 2015.
6. Pinto, S, Adebawale, A, Baldassarri, R and **J Puchalski**. Parenchymal Pulmonary Hamartoma Diagnosed by Convex Probe Endobronchial Ultrasound using a Novel Biopsy Technique. ATS poster 2015.
7. Pinto, S, **Puchalski, J**, Homer, R, Baldassarri, R. Primary Mediastinal Seminoma Diagnosed by Convex Probe Endobronchial Ultrasound. ATS poster 2015.
8. Ramaswamy, A, Homer, R, Killam, J, Pisani, M, Murphy, T, Araujo, K, and **J. Puchalski**. Comparison of Transbronchial and Cryobiopsies in the Evaluation of Diffuse Parenchymal Lung Disease. ATS poster 2015.
9. Bramley, K and **J. Puchalski**. Tracheoesophageal Fistula: A Unique Cause and Treatment. ATS poster. 2013.
10. Erb, C., Johnson, K., Pisani, M and **J. Puchalski**. A Novel Airway Stabilization Technique for Respiratory Failure Associated with Tracheobronchomegaly. ACCP poster 2013.
11. Ryu, C, Pisani, M and **J Puchalski**. Tracheobronchomalacia, Y-Stenting and Pulsatile Hemoptysis. ACCP oral presentation, 2013.
12. Britto, C., Johnson, K., Boffa, D and **J Puchalski**. Expanding the Role for Endobronchial Valves: Empyema-Induced “Bronchocutaneous Fistula.” ATS presentation, 2012.
13. Erb, C., Pisani, M., Murphy, T., Araujo, K and **J. Puchalski**. The Safety, Tolerability and Outcomes of Endobronchial Ultrasound (EBUS) in Patients with Obesity. ATS poster, 2012.
14. Goyal, G., Pisani, M., Murphy, T., Araujo, K and **J.T. Puchalski**. Advanced Bronchoscopic Procedures Under Moderate Conscious Sedation. World Association of Bronchology poster, 2012.
15. Matthews, K, Honiden, S, Green, O., Mathur, A., and **J.T. Puchalski**. “A Crazy Case of Acute Respiratory Failure”. ACCP presentation, 2012. Best Case

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16. Argento, A.C., Pisani, M.A., Murphy, T.E., et al. Impact of Thoracentesis on Dyspnea and Quality of Life. ACCP Presentation. 2012.
17. Argento, A.C., Pisani, M., Johnson, K.M., Qin, L. and **J.T. Puchalski**. Thoracentesis in Patients with Bleeding Tendency. 2011. American Thoracic Society poster session.
18. Tobias, L.T., Decker, R. and **J.T. Puchalski**. Convex Probe Endobronchial Ultrasound for Placement of Intraparenchymal Fiducial Markers to Guide Stereotactic Radiosurgery. Accepted for Oral Presentation, ACCP Chest, 2011.
19. Tobias, L.T., Cai, G. and **J.T. Puchalski**. The Complementary Role of CD68 Immunostaining in Diagnosing Sarcoidosis by Endobronchial Ultrasound. Accepted for Oral Presentation, ACCP Chest, 2011.
20. Ghimire, A., Ramos, F., Knauert, M. And **J.T. Puchalski**. Acute Pleuropericardial Effusion in a Patient with Ankylosing Spondylitis. 2010. American Thoracic Society poster session.
21. Argento, A.C., Jafari, B., Knauert, M. Siegel, M., Kim, A. and **J.T. Puchalski**. Tension Hydrothorax Secondary to Pleuroperitoneal Leak Related to Peritoneal Dialysis. 2010, American Thoracic Society poster session.
22. Argento, A.C., Vest, M.T. and **J.T. Puchalski**. Distal Stenting for Malignant Airway Obstruction. 2010, American Thoracic Society poster session.
23. Argento, A.C., and **J. T. Puchalski**. Convex Probe EBUS for the Diagnosis of Parenchymal Lung Lesions. 2010, American Thoracic Society poster session.
24. Argento, A.C. and **J. T. Puchalski**. Bilateral Simultaneous Thoracenteses are Safe and Provide Rapid Benefit in Patients with Bilateral Pleural Effusions. 2010, American Thoracic Society poster session.
25. Scatena, R. Homer, R. Antin-Ozerkis, D and **J.T. Puchalski**. An Iatrogenic Diagnosis (Pleuroparenchymal Fibroelastosis). 2010: ATS Fellows Presentation.
26. **Puchalski, J.T.**, Lee, H.J., Haas, A., Sterman, D. and Gillespie G. Y-Stent Placement in the Secondary Carina for Post-Transplant Stenosis. 2009: ACCP Chest Poster.
27. **Puchalski, J.T.** PEDSEEK is an Effective Multimedia-Based Board Review Tool for Pediatric Pulmonologists. 2009, ACCP Chest poster session.

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Professional Service for Journals:

Editorial Board: Journal of Pleura

Reviewer for the following journals: American Journal of Respiratory and Critical Care Medicine, CHEST, Annals of American Thoracic Society, Journal of Bronchology and Interventional Pulmonology, Respiratory Medicine, Therapeutic Advances in Respiratory Disease

Professional Service for Attorneys: I have reviewed cases

Professional Service for Professional Organizations:

American Thoracic Society:

2016 - present: Thoracic Oncology Program Committee

American College of Chest Physicians:

2016 – present: Thoracic Oncology Steering Committee

American Association of Bronchology and Interventional Pulmonology

2016 Board writing questions

Association of Interventional Pulmonary Program Directors

2013 – present: Member; and Member of Education Committee

American Association of Bronchology

2007 – present: Member

American College of Chest Physicians

2005 – present: Member

American Thoracic Society

2005 – present: Member

American Medical Student Association

1995 – 1996: Class President, Wright State University School of Medicine

Yale University Service:

Departmental Committees

2013-present Clinical Competency Committee, Yale Pulmonary

2016-present Mentor, Pulmonary Fellow's Clinic, Yale University

2011-present Board review series organizer, Yale PCCSM fellows

2010- present Interviewer, Pulmonary and Critical Care Fellow candidates

2013-14: Yale University Physician Assistant Program Thesis Advisor

2014-15: Yale University Physician Assistant Program Thesis Advisor

Community Service:

2015-16: Coach, Girls 5th grade recreational basketball team, Guilford CT

2016-present: Coach, Girls 6th grade recreational basketball team, Guilford CT

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Bibliography

Original Investigation

1. K. Uchida, MD, PhD, David C. Beck, MD, PhD, Takashi Yamamoto, MD, PhD, Pierre-Yves Berclaz, MD, PhD, Shuichi Abe, MD, PhD, Margaret K. Staudt, Brenna C. Carey, PhD, Marie-Dominique Filippi, PhD, Susan E. Wert, PhD, Lee A. Denson, MD, **Jonathan T. Puchalski, MD**, Diane M. Hauck, and Bruce C. Trapnell, MD. “GM- CSF Autoantibodies and Neutrophil Dysfunction in Pulmonary Alveolar Proteinosis.” *New England Journal of Medicine*. 2007. 356(6): 567-579.
2. Almoosa, K, Goldenhar, L.M., **Puchalski, J.T.**, Ying, J. and R.J. Panos. Critical Care Education During Internal Medicine Residency: A National Survey. *Journal of Graduate Medical Education*. 2010. 555-561.
3. Lee, H.J and **Puchalski, J.**, Sterman, D.S. et al. Secondary Carina Y-Stent Placement for Post-Lung-Transplant Bronchial Stenosis. *Journal of Bronchology and Interventional Pulmonology*. 2012; 19(2): 109-14.
4. Lee, H.J., Feller-Kopman, D, Shepherd, R. W., Almeida, F., Bechara, R., Berkowitz, D, Chawla, M., Folch, E., Gillespie, C., Haas, A., Lee, R., Majid, A, Malhotra, R., Musani, A., **Puchalski, J.**, Sterman, D, Yarmus, L. Validation of an Interventional Pulmonary Examination. *Chest*, 2013; 143(6): 1667-70.
5. Cai, G, Wong, R., Chhieng, D., Levy, Gl, Gettinger, S., Herbst, R. **Puchalski, JT**, Homer, R., and Hui, R. Identification of Epidermal Growth Factor Receptor Mutation, k-Ras Mutation, and EML4-ALK Translocation in the Cytological Specimens of Primary and Metastatic Lung Adenocarcinomas. *Cancer Cytopathology*. 2013. doi: 10.1002/cncy.21288
6. **Puchalski, J.T.**, Argento, A.C., Murphy, T.E., et al. Etiologies of Bilateral Pleural Effusions. *Respiratory Medicine*, 2013; 107(2): 284-91.
7. **Puchalski JT**, Argento AC, Murphy TE, Araujo KLB, Pisani MA. The safety of thoracentesis in patients with uncorrected bleeding risk. *Ann Am Thorac Soc*. 2013; 10(4): 336-41.
8. Goyal, G, Pisani, M, Murphy, T, Araujo, K and **Puchalski, J.** Advanced Diagnostic Bronchoscopy Using Conscious Sedation and the Laryngeal Nerve Block: Tolerability, Thoroughness and Diagnostic Yield. *Lung*, 2014; 192(6): 905-13.
9. Kookoolis, AS, **Puchalski JT**, Murphy, TE, et al. Mortality of Hospitalized Patients with Pleural Effusions. *J Pulm Respir Med*. 2014.
10. Rabach, L, Siegel M, **Puchalski JT**, et al. Use of the Blom Tracheotomy Tube with Suction Inner Cannula to Decontaminate Microorganisms from the Subglottic Space. A Proof of Concept. *Ann Am Thorac Soc*. 2015; 12(6): 859-63.
11. DeBiasi EM, Pisani MA, Murphy TE, Araujo K, Kookoolis A, Argento AC, and **Puchalski J.** Mortality among patients with pleural effusion undergoing thoracentesis. *Eur Respir J*. 2015.
12. Ost, DE, Ernst, A, Lei X, Kovitz KL, Benzaquen S, Diaz-Mendoza J, Greenhill S, Toth J, Feller-Kopman D. **Puchalski J**, Baram D, Karunakara R, Jimenez CA, Filner JJ, Morice RC, Eapen GA, Michaud GC, Estrada-Y-Martin RM, Rafeq S, Grosu HB, Ray C, Gilbert CR, Yarmus LB, Simoff M; AQUIRE Bronchoscopy Registry. Diagnostic Yield and Complications of Bronchoscopy for Peripheral Lung Lesions: Results of the AQUIRE Registry. *Am J Respir Crit Care Med*. 2016; 193(1): 68-77
13. Argento AC, Murphy TE, Pisani MA, Araujo KL, **Puchalski J.** Patient-Centered Outcomes Following Thoracentesis. *Pleura*. 2015.

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14. Ramaswamy, A, Homer R, Killam J, Pisani MA, Murphy TE, Araujo K, **Puchalski J**. Comparison of Transbronchial and Cryobiopsies in Evaluation of Diffuse Parenchymal Lung Disease. *J Bronchology Interv Pulmonol*. 2016; 23(1): 14-21.
15. Bramley, K., Pisani M, Murphy T, Araujo K, Homer R and **Puchalski J**. Endobronchial Ultrasound-Guided Cautery-Assisted Transbronchial Forceps Biopsies: Safety and Sensitivity Relative to Transbronchial Needle Aspiration. *Annals of Thoracic Surgery*. 2016; 101(5) 1870-6.
16. Argento, AC, **Puchalski J**. Convex probe EBUS for centrally located parenchymal lesions without a bronchus sign. *Respiratory Medicine* 2016: 116; 55-8.

Chapters / Books / Reviews

17. Trapnell, B and **J. Puchalski**. Pulmonary Alveolar Proteinosis. *Fishman's Pulmonary Diseases and Disorders*. McGraw Hill Medical. 2008. pp 1313-1321.
18. Lee, H. J., Haas, A.R., Musani, A. and **J.T. Puchalski**. The Role of Endobronchial Ultrasound for the Diagnosis and Staging of Gastrointestinal Malignancies. *Techniques in Gastrointestinal Endoscopy*, 2009; 11, 140-45.
19. Detterbeck, F., **Puchalski, J.**, Rubinowitz, A., and Cheng, D. Classification of the Thoroughness of Mediastinal Staging of Lung Cancer. *Chest*, 2010; 137: 436-42.
20. **Puchalski, J.**, Lee, H.J., and D.H. Serman. Airway Complications Following Lung Transplantation. *Clinics in Chest Medicine*. 2011; 32(2): 357-66.
21. **Puchalski, J.T.** Minimally-Invasive Techniques for Diagnosing and Staging Lung Cancer. *Pulmonary, Critical Care and Sleep Update (PCCSU)*. September, 2011.
22. **Puchalski, J.T.** and D. Feller-Kopman. The pulmonologist's diagnostic and therapeutic interventions in lung cancer. *Clinics in Chest Medicine*, 2011; 32(4): 763-71.
23. Schweikert, W and **J.T. Puchalski**. Thoracentesis, Pleural Biopsy and Thoracic Ultrasound. *Decision Support in Medicine (interactive electronic book)*. 2012.
24. **Puchalski, J.** Tracheal and Bronchial Stenosis: Etiologies, Bronchoscopic Interventions and Outcomes. *Pakistan Journal of Chest Medicine*. 2012.
25. **Puchalski, J.T.** Thoracic Neoplasms. *ABIM Internal Medicine Board Review Book*. 2013.
26. Bramley, K. and **J.T. Puchalski**. Subdiaphragmatic Etiologies of Pleural Effusions. *Clinics in Chest Medicine*, 2013; 34(1): 39-46.
27. **Puchalski, J.T.** Editor: Pleural Diseases. *Clinics in Chest Medicine Volume*, March 2013.
28. **Puchalski, J.T.** and Musani, A. Tracheobronchial Stenosis. *Clinics in Chest Medicine*. 2013.
29. **Puchalski, J.** Thoracentesis and the Risks for Bleeding: A New Era. *Current Opinion in Pulmonary Medicine*, 2014.
30. DeBiasi, E and **J Puchalski**. Pleural Effusions as Markers of Mortality and Disease Severity: a State of the Art Review. *Current Opinion in Pulmonary Medicine*, 2016: 386-91.
31. Harris, K, **Puchalski J**, Serman D. Recent Advances in Bronchoscopic Treatment of Peripheral Lung Cancers. *Chest* 2016.

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Case Reports, Technical Notes, Letters:

32. **J.T. Puchalski.** The Minimally Invasive Tissue Issue and the Thoracic Interventional Program. *Advances*, 2010.
33. Argento, A.C, Kim, A, **Knauert-Brown, M**, Boffa, D, Siegel, M, Jafari, B, and **Puchalski, J.** Recurrent hydrothorax and surgical diaphragmatic repair: Report of 2 cases and Review of the Literature. *Journal of Bronchology and Interventional Pulmonology.* 2014; 21(2): 150-3.
34. Argento, A.C and **Puchalski, J.T.** Distal Airway Stenting: How Far is Too Far? *Journal of Bronchology and Interventional Pulmonology.* 2015; 22(4):e15-16.
35. Ryu, C, **Puchalski, J**, Perkins M and Honiden S. Management of an elderly patient with respiratory failure due to double aortic arch. *Respiratory Medicine Case Reports.* 2016 (17): 37-39.
36. Argento, AC, Decker R, **Puchalski J.** Fiducial Marker Placement via Convex Probe EBUS. *J Bronchology Interv Pulmonol.* 2016: 23(2); 181-5.