



## Erika Rubesova

- Clinical Professor, Radiology - Pediatric Radiology
- Clinical Professor (By courtesy), Obstetrics & Gynecology - Maternal Fetal Medicine

### CLINICAL OFFICE (PRIMARY)

- **LPCH Pediatric Radiology**

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Palo Alto, CA 94304

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Erika Rubesova - MD

## Bio

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### CLINICAL FOCUS

- pediatric radiology
- ultrasound
- fetal imaging
- Pediatric Radiology

### ACADEMIC APPOINTMENTS

- Clinical Professor, Radiology - Pediatric Radiology
- Clinical Professor (By courtesy), Obstetrics & Gynecology - Maternal Fetal Medicine

### HONORS AND AWARDS

- Professor Hospitem, Charles University Prague (2017)
- Promising Investigator Award, Society for Pediatric Radiology (2017)
- Francqui award, BAEF (2000)
- Fulbright award, - (2000)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Ultrasound Committee, Society for Pediatric Radiology (2019 - present)
- Scientific Committee, RSNA (2018 - present)
- Fetal Imaging Committee, Society for Pediatric Radiology (2014 - 2019)
- Reviewer, Pediatric Radiology Journal (2011 - present)

### PROFESSIONAL EDUCATION

- Board Certification: Pediatric Radiology, American Board of Radiology (2019)
- Board Certification: Diagnostic Radiology, American Board of Radiology (2014)

- Residency: Free University of Brussels (2003) Belgium
- Internship: Free University of Brussels (1998) Belgium
- Medical Education: Free University of Brussels (1997) Belgium

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Research Mentor

Marine Moeremans

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Radiology (Fellowship Program)

## Publications

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### PUBLICATIONS

- **MR Imaging of the Fetal Gastrointestinal Anomalies.** *Magnetic resonance imaging clinics of North America*  
Rubesova, E., Moeremans, M.  
2024; 32 (3): 489-496
- **Development of Autoimmune Diseases Among Children With Pediatric Acute-Onset Neuropsychiatric Syndrome** *JAMA network open*  
Ma, M., Masterson, E. E., Gao, J., Karpel, H., Chan, A., Pooni, R., Sandberg, J., Rubesova, E., Farhadian, B., Willet, T., Xie, Y., Tran, P., Silverman, et al  
2024; 7 (7)
- **Imaging of Vesicoureteral Reflux: AJR Expert Panel Narrative Review.** *AJR. American journal of roentgenology*  
Cajigas-Loyola, S. C., Chow, J. S., Hayatghaibi, S., Iyer, R. S., Kwon, J., Rubesova, E., Sanchez-Jacob, R., Wyers, M., Otero, H. J.  
2023
- **Real-time ultrasound-derived fat fraction in pediatric population: feasibility validation with MR-PDFF.** *Pediatric radiology*  
Zalcman, M., Barth, R. A., Rubesova, E.  
2023
- **Reproducibility of 2D versus 3D radiomics for quantitative assessment of fetal lung development: a retrospective fetal MRI study.** *Insights into imaging*  
Watzenboeck, M. L., Heidinger, B. H., Rainer, J., Schmidbauer, V., Ulm, B., Rubesova, E., Prayer, D., Kasprian, G., Prayer, F.  
2023; 14 (1): 31
- **Fetal MRI radiomics: non-invasive and reproducible quantification of human lung maturity.** *European radiology*  
Prayer, F., Watzenboeck, M. L., Heidinger, B. H., Rainer, J., Schmidbauer, V., Prosch, H., Ulm, B., Rubesova, E., Prayer, D., Kasprian, G.  
2023
- **A novel fetal MRI lung volume nomogram stratified by estimated fetal weight**  
Gershnel, S., Jayapal, P., Zalcman, M., Barth, R. A., Rubesova, E., Hintz, S., Zhang, J., Leonard, S. A., El-Sayed, Y. Y., Blumenfeld, Y. J.  
MOSBY-ELSEVIER.2023: S577
- **Superior Mesenteric Artery Syndrome in an Adolescent With Anorexia and Suspected Pancreatitis.** *JPGN reports*  
Hsu, D., Zhang, K. Y., Rubesova, E., Bruzoni, M., Khavari, N., Goyal, A.  
2022; 3 (2): e194
- **Gender-based salary differences in academic medicine: a retrospective review of data from six public medical centers in the Western USA.** *BMJ open*  
Miller, H., Seckel, E., White, C. L., Sanchez, D., Rubesova, E., Mueller, C., Bianco, K.  
2022; 12 (4): e059216
- **Reply to "Comment on 'Liver Fat Quantification by Ultrasound in Children: A Prospective Study'".** *AJR. American journal of roentgenology*

- D'Hondt, A., Rubesova, E.  
2021: W1
- **Contrast-enhanced ultrasound of the pediatric bowel.** *Pediatric radiology*  
Gokli, A., Dillman, J. R., Humphries, P. D., Klijucevsek, D., Mentzel, H., Rubesova, E., Takahashi, M. S., Anupindi, S. A.  
2021
  - **Blood Flow Imaging in the Neonatal Brain Using Angular Coherence Power Doppler** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*  
Jakovljevic, M., Yoon, B., Abou-Elkacem, L., Hyun, D., Li, Y., Rubesova, E., Dahl, J. J.  
2021; 68 (1): 92–106
  - **Ultrasound shear wave elastography: does it add value to gray-scale ultrasound imaging in differentiating biliary atresia from other causes of neonatal jaundice?** *Pediatric radiology*  
Sandberg, J. K., Sun, Y. n., Ju, Z. n., Liu, S. n., Jiang, J. n., Koci, M. n., Rosenberg, J. n., Rubesova, E. n., Barth, R. A.  
2021
  - **Liver Fat Quantification by Ultrasound in Children: A Prospective Study.** *AJR. American journal of roentgenology*  
D'Hondt, A. n., Rubesova, E. n., Xie, H. n., Shamdasani, V. n., Barth, R. A.  
2021
  - **Contrast enhanced ultrasound: comparing a novel modality to MRI to assess for bowel disease in pediatric Crohn's patients** *TRANSLATIONAL GASTROENTEROLOGY AND HEPATOLOGY*  
Mudambi, K., Sandberg, J., Bass, D., Rubesova, E.  
2020; 5
  - **Contrast-enhanced US in Pediatric Patients: Overview of Bowel Applications.** *Radiographics : a review publication of the Radiological Society of North America, Inc*  
Gokli, A. n., Acord, M. R., Hwang, M. n., Medellin-Kowalewski, A. n., Rubesova, E. n., Anupindi, S. A.  
2020; 40 (6): 1743–62
  - **In fetuses with congenital lung masses, decreased ventricular and atrioventricular valve dimensions are associated with lesion size and clinical outcome.** *Prenatal diagnosis*  
Mardy, C., Blumenfeld, Y. J., Arunamata, A. A., Girsan, A. I., Sylvester, K. G., Halabi, S., Rubesova, E., Hintz, S. R., Tacy, T. A., Maskatia, S. A.  
2019
  - **Prenatally diagnosed omphalocele: characteristics associated with adverse neonatal outcomes.** *Journal of perinatology : official journal of the California Perinatal Association*  
Chock, V. Y., Davis, A. S., Cho, S., Bax, C., Fluharty, E., Weigel, N., Homeyer, M., Hudgins, L., Jones, R., Rubesova, E., Sylvester, K. G., Blumenfeld, Y. J., Hintz, et al  
2019
  - **The learning curve of contrast-enhanced 'microbubble' voiding urosonography-validation study.** *Journal of pediatric urology*  
Velasquez, M., Emerson, M. G., Diaz, E., Kennedy, W., Rubesova, E., Barth, R. A.  
2019
  - **Normal values of the resistivity index of the pericallosal artery with and without compression of the anterior fontanelle.** *Pediatric radiology*  
Elmfors, A. F., Sandgren, T., Ford, K., Rosenberg, J., Ringertz, H., Barth, R. A., Rubesova, E.  
2019
  - **Tracking Blood Flow Changes in the Brains of Neonates using Angular-coherence-based Power Doppler**  
Jakovljevic, M., Yoon, B., Abou-Elkacem, L., Rubesova, E., Dahl, J., Byram, B. C., Ruiter, N. V.  
SPIE-INT SOC OPTICAL ENGINEERING.2019
  - **The role of imaging in the management of necrotising enterocolitis: a multispecialist survey and a review of the literature** *EUROPEAN RADIOLOGY*  
Ahle, M., Ringertz, H. G., Rubesova, E.  
2018; 28 (9): 3621–31
  - **Utility of prenatal MRI in the evaluation and management of fetal ventriculomegaly.** *Journal of perinatology : official journal of the California Perinatal Association*

- Katz, J. A., Chock, V. Y., Davis, A. S., Blumenfeld, Y. J., Hahn, J. S., Barnes, P., Barth, R. A., Rubesova, E., Hintz, S. R.  
2018
- **Normal values of the resistivity index of the pericallosal artery with and without compression of the anterior fontanelle** *PEDIATRIC RADIOLOGY*  
Elmfors, A., Sandgren, T., Ford, K., Rosenberg, J., Ringertz, H., Barth, R. A., Rubesova, E.  
2018; 49 (5): 646–51
  - **Prediction of neonatal respiratory distress in pregnancies complicated by fetal lung masses.** *Prenatal diagnosis*  
Girsen, A. I., Hintz, S. R., Sammour, R., Naqvi, A., El-Sayed, Y. Y., Sherwin, K., Davis, A. S., Chock, V. Y., Barth, R. A., Rubesova, E., Sylvester, K. G., Chitkara, R., Blumenfeld, et al  
2017
  - **HDlive imaging of a giant omphalocele.** *Ultrasound in obstetrics & gynecology*  
Blumenfeld, Y. J., E Milan, K., Rubesova, E., Sylvester, K. G., DAVIS, A. S., Chock, V. Y., Hintz, S. R.  
2016; 48 (3): 407-408
  - **Role of imaging in the evaluation of inflammatory bowel disease: How much is too much?** *World journal of radiology*  
Haas, K., Rubesova, E., Bass, D.  
2016; 8 (2): 124-131
  - **Fetal suprarenal masses - assessing the complementary role of magnetic resonance and ultrasound for diagnosis.** *Pediatric radiology*  
Flanagan, S. M., Rubesova, E., Jaramillo, D., Barth, R. A.  
2016; 46 (2): 246-254
  - **Why do we need more data on MR volumetric measurements of the fetal lung?** *Pediatric radiology*  
Rubesova, E.  
2016; 46 (2): 167-171
  - **Added Value of Radiologist Consultation for Pediatric Ultrasound: Implementation and Survey Assessment.** *AJR. American journal of roentgenology*  
Zucker, E. J., Newman, B., Larson, D. B., Rubesova, E., Barth, R. A.  
2015; 205 (4): 822-826
  - **Meconium in Perinatal Imaging: Associations and Clinical Significance** *SEMINARS IN ULTRASOUND CT AND MRI*  
Jerdee, T., Newman, B., Rubesova, E.  
2015; 36 (2): 161-177
  - **Advances in fetal imaging.** *American journal of perinatology*  
Rubesova, E., Barth, R. A.  
2014; 31 (7): 567-576
  - **Fetal MRI correlates with postnatal CT angiogram assessment of pulmonary anatomy in tetralogy of Fallot with absent pulmonary valve.** *Congenital heart disease*  
Sun, H. Y., Boe, J., Rubesova, E., Barth, R. A., Tacy, T. A.  
2014; 9 (4): E105-9
  - **Fetal MRI Correlates with Postnatal CT Angiogram Assessment of Pulmonary Anatomy in Tetralogy of Fallot with Absent Pulmonary Valve.** *Congenital heart disease*  
Sun, H. Y., Boe, J., Rubesova, E., Barth, R. A., Tacy, T. A.  
2014; 9 (4): E105-9
  - **Advances in Fetal Imaging** *AMERICAN JOURNAL OF PERINATOLOGY*  
Rubesova, E., Barth, R. A.  
2014; 31 (7): 567-576
  - **Fetal magnetic resonance imaging: jumping from 1.5 to 3 tesla (preliminary experience)** *PEDIATRIC RADIOLOGY*  
Victoria, T., Jaramillo, D., Roberts, T. P., Zarnow, D., Johnson, A. M., Delgado, J., Rubesova, E., Vossough, A.  
2014; 44 (4): 376-386
  - **Fetal bowel anomalies--US and MR assessment.** *Pediatric radiology*

- Rubesova, E.  
2012; 42: S101-6
- **Fetal bowel anomalies - US and MR assessment** *PEDIATRIC RADIOLOGY*  
Rubesova, E.  
2012; 42: 101-106
  - **Effectiveness of a Staged US and CT Protocol for the Diagnosis of Pediatric Appendicitis: Reducing Radiation Exposure in the Age of ALARA** *RADIOLOGY*  
Krishnamoorthi, R., Ramarajan, N., Wang, N. E., Newman, B., Rubesova, E., Mueller, C. M., Barth, R. A.  
2011; 259 (1): 231-239
  - **Management of fetal mediastinal shift: A practical approach** *JOURNAL DE RADIOLOGIE*  
Colombani, M., Rubesova, E., Potier, A., Quarello, E., Barth, R. A., Devred, P., Petit, P., Gorincour, G.  
2011; 92 (2): 118-124
  - **A continuous heparin infusion does not prevent catheter-related thrombosis in infants after cardiac surgery** *PEDIATRIC CRITICAL CARE MEDICINE*  
Schroeder, A. R., Axelrod, D. M., Silverman, N. H., Rubesova, E., Merkel, E., Roth, S. J.  
2010; 11 (4): 489-495
  - **Magnetic resonance imaging in the prenatal diagnosis of congenital diarrhea** *ULTRASOUND IN OBSTETRICS & GYNECOLOGY*  
Colombani, M., Ferry, M., TOGA, C., Lacroze, V., Rubesova, E., Barth, R. A., Cassart, M., Gorincour, G.  
2010; 35 (5): 560-565
  - **MR Assessment of Normal Fetal Lung Volumes: A Literature Review** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Deshmukh, S., Rubesova, E., Barth, R.  
2010; 194 (2): W212-W217
  - **Performance of PROPELLER relative to standard FSE T2-weighted imaging in pediatric brain MRI** *PEDIATRIC RADIOLOGY*  
Vertinsky, A. T., Rubesova, E., Krasnokutsky, M. V., Bammer, S., Rosenberg, J., White, A., Barnes, P. D., Bammer, R.  
2009; 39 (10): 1038-1047
  - **Three-Dimensional MRI Volumetric Measurements of the Normal Fetal Colon** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Rubesova, E., Vance, C. J., Ringertz, H. G., Barth, R. A.  
2009; 192 (3): 761-765
  - **Accuracy of MDCT in predicting site of gastrointestinal tract perforation** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Hainaux, B., Agneessens, E., Bertinotti, R., De Maertelaer, V., Rubesova, E., Capelluto, E., Moschopoulos, C.  
2006; 187 (5): 1179-1183
  - **Quantitative diffusion imaging in breast cancer: A clinical prospective study** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Rubesova, E., Grell, A., De Maertelaer, V., Metens, T., Chao, S., Lemort, M.  
2006; 24 (2): 319-324
  - **Intra gastric band erosion after laparoscopic adjustable gastric banding for morbid obesity: Imaging characteristics of an underreported complication** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Hainaux, B., Agneessens, E., Rubesova, E., Muls, V., Gaudissart, Q., Moschopoulos, C., Cadiere, G. B.  
2005; 184 (1): 109-112
  - **Imaging of the articular cartilage in osteoarthritis of the knee joint: 3D spatial-spectral spoiled gradient-echo vs. fat-suppressed 3D spoiled gradient-echo MR imaging** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Yoshioka, H., Alley, M., Steines, D., Stevens, K., Rubesova, E., Genovese, M., Dillingham, M. F., Lang, P.  
2003; 18 (1): 66-71
  - **Gd-labeled liposomes for monitoring liposome-encapsulated chemotherapy: Quantification of regional uptake in tumor and effect on drug delivery** *Contrast Media Research Conference*  
Rubesova, E., Berger, F., Wendland, M. F., Hong, K. L., Stevens, K. J., Gooding, C. A., Lang, P.  
ELSEVIER SCIENCE INC.2002: S525-S527

- **Phase II and III studies with new drugs for non-small cell lung cancer: A systematic review of the literature with a methodology quality assessment** *ANTICANCER RESEARCH*

Meert, A. P., Berghmans, T., Branle, F., Lemaitre, F., Mascaux, C., Rubesova, E., Vermynen, P., Paesmans, M., Sculier, J. P.  
1999; 19 (5C): 4379-4390