

Dr Anastasija Arechvo

Associate Professor, MD, PhD, MSc (Genomics), MSc (Global Health)

Diploma in Fetal Medicine

Consultant in Obstetrics and Fetal Medicine

PERSONAL INFORMATION

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London, UK

CURRENT APPOINTMENTS

- Consultant in Obstetrics and Fetal Medicine, King's College Hospital, London, UK
01/09/2023 – Present
- Fetal Medicine Consultant, Luton University Hospital, Luton, UK
01/04/2023 – Present
- Fetal Medicine Consultant, Queen's University Hospital, London, UK
01/03/2025 – Present
- Adjunct Senior Lecturer, King's College London, UK
01/04/2024 – Present
- Honorary Senior Lecturer, St George's University of London, UK
01/03/2025 – Present
- Lead for Academic Partnerships, King's College London, UK
01/08/2024 – Present
- Fetal Medicine Foundation Fellowship Chief Coordinator and Educational Lead, London, UK
01/11/2021 – Present

PREVIOUS APPOINTMENTS

- Lead Fetal Medicine Consultant, Southend University Hospital, Mid and South Essex, UK
01/04/2023 – 01/12/2024
- Clinical Fellowship in Fetal Medicine, King's College Hospital, London, UK
01/11/2020 – 01/04/2023
- Consultant in Obstetrics and Gynecology, Skåne University Hospital, Malmö, Sweden
20/02/2020 – 01/01/2021
- Resident Doctor in Obstetrics and Gynecology, Skåne University Hospital, Sweden

02/02/2015 – 19/02/2020

EDUCATION

- Master of Science (MSc) in Global Health, King's College London, UK
September 2024 – Present
- Master of Science (MSc) in Genomic Medicine, Queen Mary University, London, UK
2022 – 2024
- Doctor of Philosophy (PhD) in Fetal Medicine, Lund University, Sweden
2016 – 2023
- Clinical Research School, Lund University, Sweden
2018 – 2019
- Doctor of Medicine (MD), Medical faculty, Vilnius University, Lithuania
2008 – 2014

PUBLICATIONS

1. **Arechvo A**, Kinshella MLW, Syngelaki A, Magee LA, Moore SE, Doel A, Wright A, Nicolaides KH, von Dadelszen P. Race, deprivation and maternal nutritional intake. *ACJN*. 2025. Submitted.
2. Bradshaw C, Aviles Verdera J, Rutherford M, Hall M, Uus A, **Arechvo A**, Moser M, Nicolaides KH, Hutter J, Story L. Brain volumetry and T2* relaxometry in fetuses with Congenital Diaphragmatic Hernia. *EJOG*. 2025. Accepted.
3. Bradshaw C, Uus A, Aviles Verdera J, Rutherford M, Hall M, **Arechvo A**, Hutter J, Story L. Relationship between fetal brain development and congenital diaphragmatic hernia. *EJOG*. 2025. Submitted.
4. **Arechvo A**, Syngelaki A, Döbert M, Varouxaki AN, Tan MY, Poon L, Von Dadelszen P, Nicolaides KH, Magee L. Optimising pre-eclampsia screening in Black women; a secondary analysis of data from non-intervention screening studies. *J Racial Ethn Health Disparities*. 2025.
5. Car J, Pekošak L, **Arechvo A**, Davenport M. Needs of pregnant women with overweight and obesity: overlooked in physical activity guidelines. *Lancet*. 2025. Accepted.
6. **Arechvo A**, Syngelaki A, Akolekar R, Von Dadelszen P, Nicolaides KH, Magee LA. Preeclampsia screening taking into account ethnicity and socioeconomic status - a comparison of the competing-risks model and risk factor scoring. *J Obstet Gynaecol Can*. 2025; 1:103087.
7. **Arechvo A**, Demertzidou E, Adjahou S, Syngelaki A, Magee LA, Von Dadelszen P, Nicolaides KH, Akolekar R. Routine 36-week scan: prediction of prolonged neonatal intensive care unit admission. *Ultrasound Obstet Gynecol*. 2025 Jun 21. doi: 10.1002/uog.29267.
8. **Arechvo A**, Syngelaki A, Magee LA, Moore SE, Doel A, Wright A, Nicolaides KH, von Dadelszen P. Maternal calcium intake at 36 weeks' gestation and pre-eclampsia risk-a cohort study. *BJOG*. 2025 Feb 11. doi: 10.1111/1471-0528.18091.
9. **Arechvo A**, Nicolaides KH, Whitby EH, Hart AR. Comparison of Intrauterine and Postnatal Brain Magnetic Resonance Imaging: Systematic Review. *Pediatr Neurol*. 2025; 166: 47-54.

10. Day TG, Matthew J, Budd SF, Farruggia A, Venturini L, Wright R, Jamshidi B, To M, Ling H, Lai J, Tan MY, Brown M, Guy G, Casagrandi D, **Arechvo A**, Syngelaki A, Lloyd D, Zidere V, Vigneswaran T, Miller O, Akolekar R, Nanda S, Nicolaides KH, Kainz B, Simpson JM, Hajnal JV, Razavi R. Artificial Intelligence to Assist in the Screening Fetal Anomaly Ultrasound Scan (PROMETHEUS): A Randomised Controlled Trial. *NEJM AI*. 2025. Published.
11. **Arechvo A**, Wright A, Nobile Recalde A, Liandro R, Charakida M, Nicolaides KH. Ophthalmic artery Doppler and biomarkers of impaired placentation at 36 weeks' gestation in pregnancies with small fetuses. *Ultrasound Obstet Gynecol* 2024; 63: 358-364.
12. Mansukhani T, Wright A, **Arechvo A**, Lamanna B, Menezes M, Nicolaides KH, Charakida M. Maternal vascular indices at 36 weeks' gestation in the prediction of preeclampsia. *Am J Obstet Gynecol* 2023; S0002-9378(23)00724-X.
13. Mansukhani T, Wright A, **Arechvo A**, Laich A, Iglesias M, Charakida M, Nicolaides KH. Ophthalmic artery Doppler at 36 weeks' gestation in prediction of pre-eclampsia: validation and update of previous model. *Ultrasound Obstet Gynecol* 2024; 63: 230-236.
14. Mansukhani T, **Arechvo A**, Cecchini F, Breim M, Wright A, Nicolaides KH, Charakida M. Vascular phenotype at 35-37 weeks' gestation in women with gestational diabetes mellitus. *Ultrasound Obstet Gynecol* 2023; 61: 386-391.
15. **Arechvo A**, Wright A, Syngelaki A, von Dadelszen P, Magee LA, Akolekar R, Wright D, Nicolaides KH. Incidence of pre-eclampsia: effect of deprivation. *Ultrasound Obstet Gynecol* 2023; 61: 26-32.
16. **Arechvo A**, Nikolaidi DA, Gil MM, Rolle V, Syngelaki A, Akolekar R, Nicolaides KH. Incidence of stillbirth: effect of deprivation. *Ultrasound Obstet Gynecol* 2023; 61: 198-206.
17. **Arechvo A**, Voicu D, Gil MM, Syngelaki A, Akolekar R, Nicolaides KH. Maternal race and pre-eclampsia: Cohort study and systematic review with meta-analysis. *BJOG* 2022; 129: 2082-2093.
18. **Arechvo A**, Nikolaidi DA, Gil MM, Rolle V, Syngelaki A, Akolekar R, Nicolaides KH. Maternal Race and Stillbirth: Cohort Study and Systematic Review with Meta-Analysis. *J Clin Med* 2022; 11: 3452.
19. **Arechvo A**, Jokubkiene L, Thurn L, Lingman G. Fusion imaging in brain structure measurements on a fetus phantom when combining real-time ultrasound with magnetic resonance imaging. *AJUM*. 2021; 24: 161-172.
20. Geppert B, Lonnerfors C, Bollino M, **Arechvo A**, Persson J. A study on uterine lymphatic anatomy for standardization of pelvic sentinel lymph node detection in endometrial cancer. *Gynecol Oncol*. 2017; 145: 256-261.
21. Mitildzans A, **Arechvo A**, Rezeberga D, Isajevs S. Expression of p63, p53 and Ki-67 in Patients with Cervical Intraepithelial Neoplasia. *Turk Patoloji Derg*. 2017; 33: 9-16.
22. **Arechvo A**, Balseris S, Neverauskiene L, Arechvo I. Syringocystadenoma papilliferum of the bony external auditory canal: a rare tumor in a rare location. *Case Rep Otolaryngol*. 2013; 2013: 541679.
23. Aleksandrovic A, **Arechvo A**, Valiulis V. Knowledge about rare diseases of undergraduate medical students of Vilnius University. *Children Pulmonology and Alergology*. 2012; 2: 7-13.
24. Daunoravicius R, Darinskas A, **Arechvo A**. Umbilical cord blood stem cells. *Lithuanian Obstetrics and Gynecology*. 2012; 2: 153-154.

BOOK CHAPTERS

1. **Arechvo A**, Nicolaides KH. Preeclampsia: screening approaches in second and third trimesters. Book chapter.
2. **Arechvo A**, Pooh R, Nicolaides K. Ventriculomegaly.

INVITED SPEAKER

3. Invited speaker: "Connecting the dots: deep insights into corpus callosum" 18th Asia Pacific Congress in Maternal Fetal Medicine, Osaka Japan, 2025
4. Invited speaker: "Genetics of fetal brain" Poland, 2025
5. Invited speaker: "Fetal ventriculomegaly: from detection to management" Hamburg, 2025.
6. Invited speaker: "Ventriculomegaly: a major dilemma in fetal medicine" Argentina, 2025.
7. Invited speaker: "Fetal cerebral assessment in second-trimester scan "Campinas, 2025.
8. "Differential diagnosis of ventriculomegaly". 22nd World Congress in Fetal Medicine, Prague 2025
9. "Ventriculomegaly". ISUOG Exploring the fetal brain and heart, Netherlands 2025.
10. "Fetal ventriculomegaly; Genetics of fetal brain; Maternal nutrition and pregnancy complications; Cell free DNA and fetal abnormalities". 15th Latin-American Congress in Fetal Medicine. Brazil 2025.
11. "Recent topic on Ventriculomegaly" and "Third trimester Preeclampsia". The 4th Annual Congress of Japan Society of Ultrasound on Obstetrics and Gynecology, Japan 2025.
12. "Advanced neuroimaging techniques in the assessment of fetal ventriculomegaly". The 9th International Congress on Maternal-Fetal Medicine, Bulgaria 2025.
13. "Maternal nutrition and preeclampsia". International Fetal Medicine Congress, Abu Dhabi 2024.
14. "Maternal calcium and preeclampsia". Placental Insufficiency Conference, Madrid 2024.
15. "Maternal calcium intake and preeclampsia". 21st World Congress in Fetal Medicine, Lisbon 2024.
16. "Maternal nutrition and preeclampsia". 20th World Congress in Fetal Medicine, Valencia 2023.

ORAL PRESENTATIONS

1. Prevalence of congenital uterine anomalies in asymptomatic premenopausal women at three-dimensional transvaginal examination. 29th World Congress, ISUOG, Berlin 2019.
2. Fusion imaging in brain structure measurements on a fetus phantom when combining real-time ultrasound with magnetic resonance imaging. 27th World Congress, ISUOG, Vienna 2017.
3. Fusion imaging technique: combining obstetric ultrasound and MRI in diagnosing placental and uterine wall abnormalities. 3rd Nordic Network of Fetal Medicine meeting, Helsinki 2017.
4. Fusion imaging technique: combining obstetric ultrasound and MRI in diagnosing placental and uterine wall abnormalities. 26th World Congress, ISUOG, Rome 2016.
5. Expression of the p63, p53 and Ki-67 in patients with cervical intraepithelial neoplasia. 18th International Meeting of the European Society of Gynaecological Oncology, Liverpool, UK, 2013.

6. Knowledge about rare diseases of undergraduate medical students. 2nd Baltic Paediatric Congress. 20th Estonian Paediatric Congress. Parnu, Estonia, 2013.

TEACHING

1. Module Lecturer, Clinical Ultrasound MSc, KCL, 2025-2026
2. Course Co-Lead, "Neurosonography", Extempore, Online 2026
3. Course Director, "Fetal Brain Assessment: theory and hands-on", FMF, London 2025
4. Module Deputy Lead, Women's Health iBSc, Fetal Medicine, King's College, London 2025-2026
5. Module Lecturer, Women and Children's Health iBSc, King's College, London 2025-2026
6. Module Co-Lead, Fetal Genomics MSc, King's College, London 2024-2026
7. Course Lead "Brain defects simulator training", FMF 2025
8. Course Director "Advances in Fetal Medicine Screening: Fetal Heart and Brain" with invited international experts, FMF, London 2025
9. Lecturer at Fetal Medicine Foundation Course Advances in Fetal Medicine: Belgrade, Serbia 2023; Addis-Ababa, Ethiopia 2023; Yerevan, Armenia 2023; Malmö, Sweden 2025; London 2024-2025.
10. Course director at Fetal Medicine Foundation Course "Obstetric Ultrasound", London, UK 2022, 2023, 2024
11. Ambassador of the Look for Life campaign 2022-Present.

RESPONSIBILITY AREAS

1. Research Excellence Framework Member, King's College of London 2025.
2. Invited peer-reviewer, BJOG and UOG 2025.
3. Lead for Educational Development, Fetal Medicine Foundation, London, 2024 - Present
4. Lead for Academic Partnerships and Executive Board Member of King's College, London, 2024 - Present
5. First Neurosonography clinic in the UK, King's College Hospital, London 2023 - Present
6. Principal investigator for Developmental Outcome in isolated Ventriculomegaly and Etiology. King's College Hospital, London, UK 2024 - Present
7. Co-investigator for inequalities in maternal health and pregnancy outcomes. King's College Hospital, London, UK 2024 - Present
8. Co-investigator for physical activity recommendations for pregnant women in clinical practice guidelines. King's College London, London, UK 2024 - Present
9. Co-investigator for the use of advanced MRI techniques to evaluate antenatal lung development. Kings College Hospital and Guy's and St Thomas Hospital, London, UK 2024 - Present
10. Principal investigator for ASPRE-T, Mid and South Essex University Hospital, UK 2023 - Present

11. Co-investigator for Maternal diet at 35-36 weeks' gestation and risk of preeclampsia, Kings College Hospital, London, UK 2023
12. Lecturer and trainer in Obstetric Ultrasound Course, Armenia, Ethiopia, Serbia, Sweden, UK 202-2025
13. Responsible coordinator and trainer of Obstetric Ultrasound Course, Fetal Medicine Foundation, London, UK 2023-2024
14. Adverse pregnancy outcomes, Meta-analysis group coordinator. FMF, London, UK 2021 - 2022
15. CEPS (NEO-HLR) trainer, Skåne University Hospital, Sweden 2019 - 2021
16. Local responsible coordinator for infections and antibiotics, Obstetrics and Gynecology, Skåne University Hospital, Sweden 2016 – 2021
17. Resident and medical students training, member of advisory board, Department of Obstetrics and Gynecology. Skåne University Hospital, Sweden 2018 – 2020
18. Volunteering local coordinator at Lithuanian Medical Students' Association (LiMSA) 2012-2013

HONORS AND AWARDS

1. King's Stars Award 2024
2. Fetal Medicine Foundation Educational Grant 2024
3. Fetal Medicine Foundation Research Grant 2022
4. Fetal Medicine Foundation Research Grant 2019
5. Elsa Svenssons Scholarship 2016
6. Nordic Network of Fetal Medicine Travel Grant 2017
7. Sven Lindgrens Scholarship 2017

LANGUAGES

1. **English** Professional working proficiency
2. **Swedish** Professional working proficiency (Swedish language, Philology, Vilnius University)
3. **Lithuanian** Native language
4. **Russian** Native language
5. **Polish** Limited working proficiency
6. **German** Limited working proficiency

REFERENCES

- **Professor Kypros H Nicolaides**, MD, Professor of Fetal Medicine, Head of the Department of Fetal Medicine, King's College, London, UK.
- **Professor Göran Lingman**, MD, PhD, Head of the Department of Obstetrics and gynaecology, Skåne University Hospital, Lund, Sweden.