

## Personal Information

**Email:** ekalafat@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/ekalafat>

## International Researcher IDs

ScholarID: 9NEoQE8AAAAJ

ORCID: 0000-0003-0658-138X

Publons / Web Of Science ResearcherID: S-4762-2019

ScopusID: 56388776400

## Research Areas

Medicine, Obstetrics and Gynecology, Statistics

## Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2021 - Continues

Assistant Professor, Koc University, School Of Medicine, Department Of Surgical Medical Sciences, 2021 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of the endometrial thickness on the live birth rate: insights from 959 single euploid frozen embryo transfers without a cutoff for thickness**  
Ata B., Liñán A., Kalafat E., Ruíz F., Melado L., Bayram A., Elkhatib I., Lawrenz B., Fatemi H. M.  
Fertility and Sterility, vol.120, no.1, pp.91-98, 2023 (SCI-Expanded)
- II. **Impact of point-of-care ultrasound and routine third trimester ultrasound on undiagnosed breech presentation and perinatal outcomes: An observational multicentre cohort study**  
Knights S., Prasad S., Kalafat E., Dadali A., Sizer P., Harlow F., Khalil A.  
PLOS medicine, vol.20, no.4, 2023 (SCI-Expanded)
- III. **Systematic review and meta-analysis of the effectiveness and perinatal outcomes of COVID-19 vaccination in pregnancy**  
Prasad S., KALAFAT E., Blakeway H., Townsend R., O'Brien P., Morris E., Draycott T., Thangaratnam S., Le Doare K., Ladhani S., et al.  
Nature Communications, vol.13, no.1, 2022 (SCI-Expanded)
- IV. **Quality or quantity? Pitfalls of assessing the effect of endometrial thickness on live birth rates**  
Ata B., KALAFAT E.  
Fertility and Sterility, vol.118, no.2, pp.428, 2022 (SCI-Expanded)
- V. **Maternal and perinatal outcomes of SARS-CoV-2 infection in unvaccinated pregnancies during Delta and Omicron waves**  
Birol Ilter P., Prasad S., Mutlu M., Tekin A., O'Brien P., von Dadelszen P., Magee L., Tekin S., Tug N., KALAFAT E., et al.  
Ultrasound in Obstetrics and Gynecology, vol.60, no.1, pp.96-102, 2022 (SCI-Expanded)
- VI. **Oral Gonadotropin-Releasing Hormone Antagonists in the Treatment of Uterine Myomas: A**

## **Systematic Review and Network Meta-analysis of Efficacy Parameters and Adverse Effects**

Telek S. B., Gurbuz Z., KALAFAT E., Ata B.

Journal of Minimally Invasive Gynecology, vol.29, no.5, pp.613-625, 2022 (SCI-Expanded)

### **VII. Outcomes of a GnRH Agonist Trigger Following a GnRH Antagonist or Flexible Progestin-Primed Ovarian Stimulation Cycle**

Kalafat E., Turkgeldi E., Yildiz S., Dizdar M., Keles I., Ata B.

FRONTIERS IN ENDOCRINOLOGY, vol.13, 2022 (SCI-Expanded)

### **VIII. Clinical severity of SARS-CoV-2 infection among vaccinated and unvaccinated pregnancies during the Omicron wave**

Birol Ilter P., Prasad S., Berkkan M., Mutlu M. A., Tekin A. B., Celik E., Ata B., Turgal M., Yildiz S., Turkgeldi E., et al.

ULTRASOUND IN OBSTETRICS & GYNECOLOGY, vol.59, no.4, pp.560-562, 2022 (SCI-Expanded)

### **IX. An internally validated prediction model for critical COVID-19 infection and intensive care unit admission in symptomatic pregnant women.**

Kalafat E., Prasad S., Birol P., Tekin A. B., Kunt A., Di Fabrizio C., Alatas C., Celik E., Bagci H., Binder J., et al.

American journal of obstetrics and gynecology, vol.226, 2022 (SCI-Expanded)

### **X. Adverse neonatal outcome in twin pregnancy complicated by small-for-gestational age: twin vs singleton reference charts**

Briffa C., Di Fabrizio C., KALAFAT E., Giorgione V., Bhate R., Huddy C., Richards J., Shetty S., Khalil A.

ULTRASOUND IN OBSTETRICS & GYNECOLOGY, vol.59, no.3, pp.377-384, 2022 (SCI-Expanded)

### **XI. Should angiogenic markers be included in diagnostic criteria of superimposed pre-eclampsia in women with chronic hypertension?**

Binder J., KALAFAT E., Palmrich P., Pateisky P., Khalil A.

ULTRASOUND IN OBSTETRICS & GYNECOLOGY, vol.59, no.2, pp.192-201, 2022 (SCI-Expanded)

### **XII. The Comparison of Fixed and Flexible Progestin Primed Ovarian Stimulation on Mature Oocyte Yield in Women at Risk of Premature Ovarian Insufficiency**

Kalafat E., Dizdar M., Turkgeldi E., Yildiz S., Keles I., Ata B.

FRONTIERS IN ENDOCRINOLOGY, vol.12, 2022 (SCI-Expanded)

### **XIII. COVID-19 vaccination during pregnancy: coverage and safety**

Blakeway H., Prasad S., Kalafat E., Heath P. T., Ladhani S. N., Le Doare K., Magee L. A., O'Brien P., Rezvani A., von Dadelszen P., et al.

AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY, vol.226, no.2, 2022 (SCI-Expanded)

### **XIV. The Comparison of Transvaginal Natural Orifice Transluminal Endoscopic Surgery and Conventional Laparoscopy in Opportunistic Bilateral Salpingectomy for Permanent Female Sterilization**

Yassa M., Kaya C., Kalafat E., Tekin A. B., Karakas S., Mutlu M. A., Birol P., Tug N.

JOURNAL OF MINIMALLY INVASIVE GYNECOLOGY, vol.29, no.2, pp.257-265, 2022 (SCI-Expanded)

### **XV. Role of cervical length and placental alpha microglobulin-1 to predict preterm birth**

Gokce A., Kalafat E., ŞÜKÜR Y. E., Altinboga O., Soylemez F.

JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.35, no.17, pp.3388-3392, 2022 (SCI-Expanded)

### **XVI. Do live birth rate and obstetric outcomes vary between immediate and delayed embryo transfers following freeze-all cycles?**

Yildiz S., Turkgeldi E., Kalafat E., Keles I., Gokyer D., Ata B.

JOURNAL OF GYNECOLOGY OBSTETRICS AND HUMAN REPRODUCTION, vol.50, no.10, 2021 (SCI-Expanded)

### **XVII. COVID-19 vaccination in pregnancy-number needed to vaccinate to avoid harm.**

Magee L. A., von Dadelszen P., Kalafat E., Duncan E. L., O'Brien P., Morris E., Heath P., Khalil A.

The Lancet. Infectious diseases, vol.21, no.12, pp.1627, 2021 (SCI-Expanded)

### **XVIII. Short-term outcomes of pregnant women with convalescent COVID-19 and factors associated with false-negative polymerase chain reaction test: A prospective cohort study.**

Sahin O., Yildirmak T., Karacalar S., Aydin E., Ciftci M. A., Bagci H., Yildirim S., Emeklioglu C., Balci B. G., Genc S., et al.

International journal of clinical practice, vol.75, no.11, 2021 (SCI-Expanded)

### **XIX. A new definition of recurrent implantation failure on the basis of anticipated blastocyst aneuploidy rates across female age.**

Ata B., Kalafat E., Somigliana E.

Fertility and sterility, vol.116, no.5, pp.1320-1327, 2021 (SCI-Expanded)

- XX. **Prognostic value of angiogenic markers in pregnant women with chronic hypertension**  
Binder J., Palmrich P., Kalafat E., Pateisky P., Oeztuerk E., Mittelberger J., Khalil A.  
Journal of the American Heart Association, vol.10, no.17, 2021 (SCI-Expanded)
- XXI. **Angiogenic markers and their longitudinal change for predicting adverse outcomes in pregnant women with chronic hypertension**  
Binder J., Kalafat E., Palmrich P., Pateisky P., Khalil A.  
American Journal of Obstetrics and Gynecology, vol.225, no.3, 2021 (SCI-Expanded)
- XXII. **SARS-CoV-2 vaccination in pregnancy: a unique opportunity for equity**  
Kalafat E., Magee L. A., von Dadelszen P., O'Brien P., Khalil A.  
LANCET, vol.398, no.10304, pp.951, 2021 (SCI-Expanded)
- XXIII. **COVID-19 and maternal and perinatal outcomes**  
Chmielewska B., Barratt I., Townsend R., Kalafat E., van der Meulen J., Gurol-Urganci I., O'Brien P., Morris E., Draycott T., Thangaratinam S., et al.  
LANCET GLOBAL HEALTH, vol.9, no.8, 2021 (SCI-Expanded)
- XXIV. **COVID-19 and maternal and perinatal outcomes – Authors' reply**  
Chmielewska B., Barratt I., Townsend R., Kalafat E., van der Meulen J., Gurol-Urganci I., O'Brien P., Morris E., Draycott T., Thangaratinam S., et al.  
The Lancet Global Health, vol.9, no.8, 2021 (SCI-Expanded)
- XXV. **Global changes in maternity care provision during the COVID-19 pandemic: A systematic review and meta-analysis**  
Townsend R., Chmielewska B., Barratt I., Kalafat E., van der Meulen J., Gurol-Urganci I., O'Brien P., Morris E., Draycott T., Thangaratinam S., et al.  
EClinicalMedicine, vol.37, 2021 (SCI-Expanded)
- XXVI. **Are live birth rate and obstetric outcomes different between immediate and delayed embryo transfers following a freeze-all cycle? A retrospective study combined with a meta-analysis**  
Yildiz S., Turkogeldi E., Kalafat E., Gokyer D., Keles I., Ata B.  
HUMAN REPRODUCTION, vol.36, pp.451-452, 2021 (SCI-Expanded)
- XXVII. **Influenza season during COVID-19 pandemic: the storm that never came**  
Elsaddig M., Kalafat E., O'Brien P., Khalil A.  
Ultrasound in Obstetrics and Gynecology, vol.57, no.6, pp.1012-1013, 2021 (SCI-Expanded)
- XXVIII. **Increased incidence of first-trimester miscarriage during the COVID-19 pandemic**  
Sacinti K., Kalafat E., Sukur Y., Koc A.  
Ultrasound in Obstetrics and Gynecology, vol.57, no.6, pp.1013-1014, 2021 (SCI-Expanded)
- XXIX. **Effects of the COVID-19 pandemic on maternal and perinatal outcomes: a systematic review and meta-analysis**  
Chmielewska B., Barratt I., Townsend R., Kalafat E., van der Meulen J., Gurol-Urganci I., O'Brien P., Morris E., Draycott T., Thangaratinam S., et al.  
The Lancet Global Health, vol.9, no.6, 2021 (SCI-Expanded)
- XXX. **Change in obstetric attendance and activities during the COVID-19 pandemic**  
Khalil A., von Dadelszen P., Kalafat E., Sebghati M., Ladhani S., Ugwumadu A., Draycott T., O'Brien P., Magee L.  
The Lancet Infectious Diseases, vol.21, no.5, 2021 (SCI-Expanded)
- XXXI. **Benefits and potential harms of COVID-19 vaccination during pregnancy: evidence summary for patient counseling**  
KALAFAT E., O'Brien P., Heath P. T., Le Doare K., von Dadelszen P., Magee L., Ladhani S., Khalil A.  
ULTRASOUND IN OBSTETRICS & GYNECOLOGY, vol.57, no.5, pp.681-686, 2021 (SCI-Expanded)
- XXXII. **Diagnostic accuracy of fetal choroid plexus length to head biometry ratio at 11 to 13 weeks for open spina bifida**  
Kalafat E., Ting L., Thilaganathan B., Papageorgiou A. T., Khalil A.  
American Journal of Obstetrics and Gynecology, vol.224, no.3, 2021 (SCI-Expanded)

- XXXIII. **Incidence of postpartum hypertension within 2 years of a pregnancy complicated by pre-eclampsia: a systematic review and meta-analysis**  
Giorgione V., Ridder A., Kalafat E., Khalil A., Thilaganathan B.  
BJOG: An International Journal of Obstetrics and Gynaecology, vol.128, no.3, pp.495-503, 2021 (SCI-Expanded)
- XXXIV. **Ultrasound in labor admission to predict need for emergency cesarean section: a prospective, blinded cohort study**  
Karaaslan O., Islamova G., Soylemez F., Kalafat E.  
Journal of Maternal-Fetal and Neonatal Medicine, vol.34, no.12, pp.1991-1998, 2021 (SCI-Expanded)
- XXXV. **Lung ultrasonography in pregnant women during the COVID-19 pandemic: An interobserver agreement study among obstetricians**  
Yassa M., Mutlu M. A., Birol P., Kuzan T. Y., Kalafat E., Usta C., Yavuz E., Keskin I., Tug N.  
Ultrasonography, vol.39, no.4, pp.340-349, 2020 (SCI-Expanded)
- XXXVI. **Utility of lung ultrasound assessment for probable SARS-CoV-2 infection during pregnancy and universal screening of asymptomatic individuals**  
Kalafat E., Yassa M., Koc A., Tug N.  
Ultrasound in Obstetrics and Gynecology, vol.56, no.4, pp.624-626, 2020 (SCI-Expanded)
- XXXVII. **Performance of antenatal diagnostic criteria of twin-anemia-polycythemia sequence**  
Liu B., Kalafat E., Bhide A., Thilaganathan B., Khalil A.  
Journal of Clinical Medicine, vol.9, no.9, pp.1-12, 2020 (SCI-Expanded)
- XXXVIII. **The role of aspirin in prevention of preeclampsia in twin pregnancies: does the dose matter?**  
Kalafat E., Shirazi A., Thilaganathan B., Khalil A.  
American Journal of Obstetrics and Gynecology, vol.223, no.3, pp.457-458, 2020 (SCI-Expanded)
- XXXIX. **Is umbilicocerebral ratio better than cerebroplacental ratio for predicting adverse pregnancy and neonatal outcomes?**  
Kalafat E., Kalaylioglu Z., Thilaganathan B., Khalil A.  
American Journal of Obstetrics and Gynecology, vol.223, no.3, pp.462-463, 2020 (SCI-Expanded)
- XL. **Risk of operative delivery for intrapartum fetal compromise in small-for-gestational-age fetuses at term: external validation of the IRIS algorithm**  
Kalafat E., Morales-Rosello J., Scarinci E., Thilaganathan B., Khalil A.  
Journal of Maternal-Fetal and Neonatal Medicine, vol.33, no.16, pp.2775-2784, 2020 (SCI-Expanded)
- XLI. **Maternal cardiovascular function and risk of intrapartum fetal compromise in women undergoing induction of labor: pilot study**  
Kalafat E., Barratt I., Nawaz A., Thilaganathan B., Khalil A.  
Ultrasound in Obstetrics and Gynecology, vol.56, no.2, pp.233-239, 2020 (SCI-Expanded)
- XLII. **SARS-CoV-2 infection in pregnancy: A systematic review and meta-analysis of clinical features and pregnancy outcomes**  
Khalil A., Kalafat E., Benlioglu C., O'Brien P., Morris E., Draycott T., Thangaratinam S., Le Doare K., Heath P., Ladhani S., et al.  
ECLINICALMEDICINE, vol.25, 2020 (SCI-Expanded)
- XLIII. **A prediction model for detrusor overactivity at ambulatory urodynamics in women with urinary incontinence**  
SEVAL M. M., ÇETİNKAYA Ş. E., Kalafat E., DÖKMECİ F.  
EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY, vol.251, pp.156-161, 2020 (SCI-Expanded)
- XLIV. **Prognostic value of maternal cardiovascular hemodynamics in women with gestational hypertension and chronic hypertension in pregnancy**  
Kalafat E., Perry H., Bowe S., Thilaganathan B., Khalil A.  
Hypertension, vol.76, no.2, pp.506-513, 2020 (SCI-Expanded)
- XLV. **Re: Ratio of umbilical and cerebral artery pulsatility indices in assessment of fetal risk: numerator and denominator matter**  
Kalafat E., Ozturk E., Kalaylioglu Z. I., Akkaya A., Khalil A.

Ultrasound in Obstetrics and Gynecology, vol.56, no.2, pp.290-292, 2020 (SCI-Expanded)

- XLVI. **The association between hypertension in pregnancy and preterm birth with fetal growth restriction in singleton and twin pregnancy: Use of twin versus singleton charts**  
Kalafat E., Abiola A., Thilaganathan B., Bhide A., Khalil A.  
Journal of Clinical Medicine, vol.9, no.8, pp.1-11, 2020 (SCI-Expanded)
- XLVII. **Maternal and Perinatal Outcomes of White Coat Hypertension during Pregnancy: A Systematic Review and Meta-Analysis**  
Johnson S., Liu B., Kalafat E., Thilaganathan B., Khalil A.  
Hypertension, vol.76, no.1, pp.157-166, 2020 (SCI-Expanded)
- XLVIII. **The Prognostic Value of Angiogenic Markers in Twin Pregnancies to Predict Delivery Due to Maternal Complications of Preeclampsia**  
Binder J., Palmrich P., Pateisky P., Kalafat E., Kussel L., Zeisler H., Munkhbaatar M., Windsperger K., Thilaganathan B., Khalil A.  
Hypertension, vol.76, no.1, pp.176-183, 2020 (SCI-Expanded)
- XLIX. **The association between adenomyosis and recurrent miscarriage**  
ATABEKOĞLU C. S., ŞÜKÜR Y. E., Kalafat E., ÖZMEN B., BERKER B., Aytac R., SÖNMEZER M.  
EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY, vol.250, pp.107-111, 2020 (SCI-Expanded)
- L. **Lung ultrasound and computed tomographic findings in pregnant woman with COVID-19**  
Kalafat E., Yaprak E., ÇINAR G., VARLI B., Ozisik S., UZUN Ç., AZAP A., KOÇ A.  
ULTRASOUND IN OBSTETRICS & GYNECOLOGY, vol.55, no.6, pp.835-837, 2020 (SCI-Expanded)
- LI. **Selective fetal growth restriction in dichorionic twin pregnancies: Diagnosis, natural history, and perinatal outcome**  
Antonakopoulos N., Pateisky P., Liu B., Kalafat E., Thilaganathan B., Khalil A.  
Journal of Clinical Medicine, vol.9, no.5, 2020 (SCI-Expanded)
- LII. **Angiogenic Marker Prognostic Models in Pregnant Women with Hypertension**  
Perry H., Binder J., Kalafat E., Jones S., Thilaganathan B., Khalil A.  
Hypertension, vol.75, no.3, pp.755-761, 2020 (SCI-Expanded)
- LIII. **Evidence for uteroplacental malperfusion in fetuses with major congenital heart defects**  
Binder J., Carta S., Carvalho J. S., Kalafat E., Khalil A., Thilaganathan B.  
PLOS ONE, vol.15, no.2, 2020 (SCI-Expanded)
- LIV. **Home blood pressure monitoring in the antenatal and postpartum period: A systematic review meta-analysis**  
Kalafat E., Benlioglu C., Thilaganathan B., Khalil A.  
Pregnancy Hypertension, vol.19, pp.44-51, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Factors associated with livebirth in couples undergoing their first in vitro fertilization cycle: An internally validated prediction model**  
Kalafat E., Benlioglu C., Gokce A., ŞÜKÜR Y. E., ÖZMEN B., SÖNMEZER M., ATABEKOĞLU C. S., Aytac R., BERKER B.  
TURKISH JOURNAL OF OBSTETRICS AND GYNECOLOGY, vol.18, no.3, pp.212-220, 2021 (ESCI)
- II. **Interobserver reproducibility of intracranial anatomy assessment during second trimester sonographic scan**  
Kalafat E., Yüce T., ASLAN B., ÖZKAVUKCU E., KOÇ F. A., Söylemez F.  
Eastern Journal of Medicine, vol.26, no.4, pp.511-514, 2021 (Scopus)
- III. **How to perform and interpret the lung ultrasound by the obstetricians in pregnant women during the SARS-CoV-2 pandemic**  
Yassa M., Mutlu M. A., Kalafat E., Birol P., Yirmibes C., Tekin A. B., Sandal K., Ayanoglu E., Yassa M., Kilinc C., et al.  
TURKISH JOURNAL OF OBSTETRICS AND GYNECOLOGY, vol.17, no.3, pp.225-232, 2020 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. THE ASSOCIATION OF ADENOMYOSIS WITH UTEROPLACENTAL INSUFFICIENCY AND PREECLAMPSIA IN WOMEN UNDERGOING ICSI CYCLE.

Benlioglu C., KALAFAT E., ŞÜKÜR Y. E., ÖZMEN B., SÖNMEZER M., ATABEKOĞLU C. S.

76th Scientific Congress of the American-Society-for-Reproductive-Medicine, ELECTR NETWORK, 17 - 21 October 2020, vol.114

## Metrics

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