

## PROF. MD. MEHMET SERDAR KÜTÜK

### Gynecology and Obstetrics

#### Interests

- High-risk pregnancies
- Perinatology
- Detailed fetal ultrasound
- High-risk and complicated deliveries

#### Education

- Mudanya Ahmet Rüştü High School
- Ege University Faculty of Medicine
- İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Kadın Hastalıkları ve Doğum AD

#### Experience

- Gümüşhacıköy State Hospital, Gynecology and Obstetrics Clinic (State compulsory service obligation)
- Kasımpaşa Naval Hospital, Gynecology and Obstetrics Clinic (Military service)
- Erciyes University, Faculty of Medicine, Department of Obstetrics and Gynecology, Perinatology and High Risk Pregnancies Unit
- Bezmialem Vakıf University, Faculty of Medicine, Department of Obstetrics and Gynecology, Prenatal Diagnosis and High Risk Pregnancies Unit

#### Abroad Experience

- Haukeland University Hospital, Obstetrics and Gynecology, Fetal Physiology Unit, March- 2020, Bergen/ Norway
- Haukeland University Hospital, Obstetrics and Gynecology, Advanced operative vaginal delivery, May, 2022, Bergen/Norway

#### Research

- He contributed to 12 scientific researches, projects and theses, 4 of which were supported by Tubitak and BAP units, as a researcher, consultant or executive.
- Assessment of effect of maternal smoking on fetal liver circulation with Doppler ultrasonography (Ongoing Project, Grand No:1, Funded by Turkish Society of Maternal Fetal and Perinatal Medicine, , 2020- ongoing)
- Comparison of weekly and bi-weekly follow-up protocols in terms of fetal, neonatal, and maternal outcomes in intrauterine growth retardation (Ongoing project. Clinical trial no: NCT04141189) - executive
- Assessment of correlation between uteroplacental doppler findings and cerebral perfusion in intra- uterine growth restricted fetuses by diffusion magnetic resonance imaging ('Scientific and Technological Research Council of Turkey' TUBITAK, project number: 114S082) .



- The effect of parental 5,10- methylenetetrahydrofolate reductase 677C/T, and 1298A/C gene polymorphisms on response to single dose methotrexate in tubal ectopic pregnancy (funded by Erciyes University, Department of Scientific Research and Project

## Publications

- He has more than 100 domestic and international publications, 52 of which are in international SCI/SCI-E indexed journals.
- Çetin Ç, Bakar RZ, Takmaz T, Pasin Ö, Kütük MS. The effects of maternal smoking on fetal cranial development. Findings from routine midtrimester sonographic anomaly screening. *J Obstet Gynaecol.* 2023 Dec;43(1):2176205. doi: 10.1080/01443615.2023.2176205.
- Sunal Akturk E, Seker ED, Capkın D, Kutuk MS. Evaluation of Anxiety in Turkish Parents of Newborns with Cleft Palate with or Without Cleft Lip. *Cleft Palate Craniofac J.* 2023 Jan 3:10556656221148903. doi: 10.1177/10556656221148903
- Haliloglu Y, Ozcan A, Erdem S, Azizoglu ZB, Bicer A, Ozarslan OY, Kilic O, Okus FZ, Demir F, Canatan H, Karakukcu M, Uludag SZ, Kutuk MS, Unal E, Eken A. Characterization of cord blood CD3+ TCRV 7.2+ CD161high T and innate lymphoid cells in the pregnancies with gestational diabetes, morbidly adherent placenta, and pregnancy hypertension diseases. *Am J Reprod Immunol.* 2022 Jul;88(1):e13555.
- Ergor SN, Kutuk MS, Duman N, Yozgat CY, Temur HO, Ugurlucan M, Yozgat Y. Co-occurrence of interrupted aortic arch and Apert syndrome: A case report. *Pediatr Neonatol.* 2021 Jan;62(1):125-126.
- Kutuk MS, Takmaz T, Bayram A, Ozturk S. Prenatal Sonographic Detection of Monochorionic Twins with Bipartite Placenta. *Fetal Pediatr Pathol.* 2020 Feb 12:1-6. doi: 10.1080/15513815.2020.1725938.
- Bayram AK, Kütük MS, Doganay S, Özgün MT, Gümüş H, Başbuğ M, Kumandaş S, Canpolat M, Per H. An analysis of 109 fetuses with prenatal diagnosis of complete agenesis of corpus callosum. *Neurol Sci.* 2020 Jun;41(6):1521-1529. doi: 10.1007/s10072-019-04224-4
- Kutuk MS, Sahin N, Takmaz T. Prenatal Ultrasound Detection of Mirror Twins With a Fused Proximal Umbilical Cord. *J Ultrasound Med.* 2019 Oct 30. doi: 10.1002/jum.15160.
- Görkem SB, Coşkun A, Eşlik M, Kütük MS, Öztürk A. Diffusion-weighted imaging of placenta in intrauterine growth restriction with worsening Doppler US findings. *Diagn Interv Radiol.* 2019 Jul;25(4):280-284.
- Uludag SZ, Gokmen Karasu AF, Kutuk MS, Takmaz T. Incidence and outcomes of eclampsia: a single-center 30-year study. *Hypertens Pregnancy.* 2019 May;38(2):119-123
- Eken A, Yetkin MF, Vural A, Okus FZ, Erdem S, Azizoglu ZB, Haliloglu Y, Cakir M, Turkoglu EM, Kilic O, Kara I, Dönmez Altuntaş H, Oukka M, Kutuk MS, Mirza M, Canatan H. Fingolimod Alters Tissue Distribution and Cytokine Production of Human and Murine Innate Lymphoid Cells. *Front Immunol.* 2019 Feb 13;10:217
- Ökdemir D, Hatipoğlu N, Kurtoğlu S, Siraz ÜG, Akar HH, Muhtaroglu S, Kütük MS. The Role of Irisin, Insulin and Leptin in Maternal and Fetal Interaction. *J Clin Res Pediatr Endocrinol.* 2018 Nov 29;10(4):307-315.
- Kutuk MS, Kilic A, Ak M, Ozgun M. Infectious complications in morbidly adherent placenta treated with leaving placenta in situ: a cohort series and suggested approach. *J Matern Fetal Neonatal Med.* 2018 Apr 26:1-6.
- Kutuk MS, Dolanbay M, Gokmen Karasu AF, Ozgun MT. Relationship between fetal peak systolic velocity in Middle cerebral artery and umbilical blood gas values and hemoglobin levels in diabetic pregnant women. *J Clin Ultrasound.* 2018 Jul;46(6):391-396.
- Kutuk MS, Ak M, Ozgun MT. Leaving the placenta in situ versus conservative and radical surgery in the treatment of placenta accreta spectrum disorders. *Int J Gynaecol Obstet.* 2017 Aug 21. doi: 10.1002/ijgo.12308
- Kutuk MS, Sahin M, Gorkem SB, Doganay S, Ozturk A. Relationship between Doppler findings and fetal brain apparent diffusion coefficient in early-onset intra-uterine growth restriction. *J Matern Fetal Neonatal Med.* 2017 Sep 4:1-8. doi: 10.1080/14767058.2017.1369519.

- Uludag SZ, Kutuk MS, Dolanbay M, Ozgun MT, Eliyeva G, Altun O. Conservative management of interstitial pregnancies: experience of a single centre. *J Obstet Gynaecol*. 2018 Aug;38(6):848-853.
- Uludag SZ, Kutuk MS, Aygen EM, Sahin Y. Conservative management of cervical ectopic pregnancy: Single-center experience. *J Obstet Gynaecol Res*. 2017 Aug;43(8):1299-1304
- Uludag SZ, Kutuk MS, Ak M, Ozgun MT, Dolanbay M, Aygen EM, Sahin Y. Comparison of Systemic and Local Methotrexate Treatments in Cesarean Scar Pregnancies: time to change conventional treatment and follow-up protocols. 2016 *Eur J Obstet Gynecol Reprod Biol*, Nov;206:131-135
- Kutuk MS, Altun O, Tutus S, Ozgun MT. Prenatal Diagnosis of Upper Extremity Malformations with Ultrasonography: diagnostic features and perinatal outcomes. *J J Clin Ultrasound*. 2017 Jun;45(5):267-276.
- Kutuk MS, Bastug O, Ozdemir A, Ozturk MA, Ozgun MT, Basbug M, Gunes T, Kurtoglu S. Relationship Between Maternal C- Reactive Protein Level and Neonatal Outcome in Patients with Preterm Premature Rupture of Membranes treated with ampicillin and azithromycin. *J Obst Gynecol* (ID: 1162772 DOI:10.3109/01443615.2016.1162772), in press.
- Kutuk MS, Subasioglu A, Uludag S, Tascioglu N, Ozgun MT, Dundar M. The effect of parental 5,10-methylenetetrahydrofolate reductase 677C/T, and 1298A/C gene polymorphisms on response to single dose methotrexate in tubal ectopic pregnancy. *J Matern Fetal Neonatal Med*. 2016 Jul 5:1-20
- Kutuk MS, Altun O, Tutus S, Dogan ME, Ozgun MT, Dundar M. Prenatal diagnosis of upper extremity malformations with ultrasonography: Diagnostic features and perinatal outcome. *J Clin Ultrasound*. 2017 Jun;45(5):267-276.
- Kutuk MS, Subasioglu A, Uludag S, Tascioglu N, Ozgun MT, Dundar M. The effect of parental 5,10-methylenetetrahydrofolate reductase 677C/T and 1298A/C gene polymorphisms on response to single-dose methotrexate in tubal ectopic pregnancy. *J Matern Fetal Neonatal Med*. 2017 May;30(10):1232-1237. doi: 10.1080/14767058.2016.1209652.
- Serdar Kutuk M, Bastug O, Ozdemir A, Adnan Ozturk M, Tuncay Ozgun M, Basbug M, Gunes T, Kurtoglu S. Relationship between maternal c-reactive protein level and neonatal outcome in patients with preterm premature rupture of membranes treated with Ampicillin and Azithromycin. *J Obstet Gynaecol*. 2016 Aug;36(6):772-777
- Uludag SZ, Kutuk MS, Ak M, Ozgun MT, Dolanbay M, Aygen EM, Sahin Y. Comparison of systemic and local methotrexate treatments in cesarean scar pregnancies: time to change conventional treatment and follow-up protocols. *Eur J Obstet Gynecol Reprod Biol*. 2016 Nov;206:131-135. doi: 10.1016/j.ejogrb.2016.09.010
- Gokmen Karasu AF, Yuksel A, Kutuk MS, Keskin Ilhan G. Sonographic depiction of fetal ureters. *J Matern Fetal Neonatal Med*. 2016 Jul;29(14):2378-81. doi: 10.3109/14767058.2015.1086330
- Kütük MS, Doğanay S, Özdemir A, Görkem SB, Öztürk A. Sonographic Diagnosis of Fetal Adrenal Hemorrhage Complicating a Vein of Galen Aneurysmal Malformation. *Balkan Med J*. 2016 Jan;33(1):112-4. doi: 10.5152/balkanmedj.2015.151118.
- Dolanbay M, Kutuk MS, Uludag S, Tonguc M, Serin IS, Nazlim S, Ozturk F (2014) Malignant Rhabdoid tumor of the vulva. *Taiwan J Obstet Gynecol* 2016 Feb;55(1):128-30. doi: 10.1016/j.tjog.2014.08.013
- Gorkem SB, Kutuk MS, Doganay S, Gunes T, Yildiz K, Kucukaydin M. Decreased Brain and Placental Perfusion in Omphalopagus Conjoined Twins on Fetal MRI. *Radiol Res Pract*. 2016;2016:9458540. doi: 10.1155/2016/9458540
- Dolanbay M, Ozcelik B, Abdulrezzak U, Serin IS, Kutuk MS, Uludag S. F-18 fluoro-D-glucose (FDG)-positron emission tomography (PET)/computed tomography (CT) in planning of surgery and sentinel lymph node screening in vulvar cancers. *Arch Gynecol Obstet*. 2015 Oct 23.
- Dolanbay M, Kutuk MS, Uludag S, Bulut AN, Ozgun MT, Ozcelik B, Serin IS. Concurrent endometrial carcinoma in hysterectomy specimens in patients with histopathological diagnosis of endometrial hyperplasia in curettage specimens. *Gynecol Pol*. 2015 Oct;86(10):753-8.

- Kutuk MS, Ozgun MT, Dolanbay M, Batukan C, Uludag S, Basbug M. Sonographic findings and perinatal outcome of multiple pregnancies associating a complete hydatiform mole and a live fetus: A case series. *J Clin Ultrasound*. 2014 Oct;42(8):465-71. doi: 10.1002/jcu.22169.
- Dolanbay M, Kutuk MS, Uludag S, Ozgun MT, Ozturk F, Ozcelik B. A case of renal cell carcinoma with solitary metastasis to the ovary. *J Obstet Gynaecol*. 2015 Feb;35(2):218-9. doi: 10.3109/01443615.2014.948814
- Dolanbay M, Kutuk MS, Uludag S, Ozgun MT, Ozturk F, Serin IS. An unusual case of transitional cell ovarian carcinoma detected incidentally during surgery of uterine endometrioid adenocarcinoma. *J Obstet Gynaecol*. 2014 Jul;34(5):448-9. doi: 10.3109/01443615.2014.897313.
- Kutuk MS, Croisille L, Gorkem SB, Yilmaz E, Korkmaz L, Bierling P, Unal E. Fetal intracranial hemorrhage related to maternal autoimmune thrombocytopenic purpura. *Childs Nerv Syst*. 2014 Jun 21. doi:10.1007/s00381-014-2473-9
- Kutuk MS, Uysal G, Dolanbay M, Ozgun MT. Successful medical treatment of cesarean scar ectopic pregnancies with systemic multidose methotrexate: single-center experience. *J Obstet Gynaecol Res*. 2014 Jun;40(6):1700-6. doi: 10.1111/jog.12414.
- Kutuk MS, Balta B, Koder H, Matsumoto N, Saito H, Doganay S, Canpolat M, Dolanbay M, Unal E, Dundar M. Is there relation between COL4A1/A2 mutations and antenatally detected fetal intraventricular hemorrhage? *Childs Nerv Syst*. 2014 Mar;30(3):419-24. doi: 10.1007/s00381-013-2338-7.
- Kutuk MS, Yikilmaz A, Ozgun MT, Dolanbay M, Canpolat M, Uludag S, Uysal G, Tas M, Musa K. Prenatal diagnosis and postnatal outcome of fetal intracranial hemorrhage. *Childs Nerv Syst*. 2014 Mar;30(3):411-8. doi: 10.1007/s00381-013-2243-0.
- Kutuk MS, Terzioglu A, Ozgun MT, Uludag S, Dolanbay M, Tas M. A critical analysis of low molecular weight heparin use during pregnancy in a tertiary referral centre. *J Obstet Gynaecol*. 2014 Feb;34(2):131-4. doi: 10.3109/01443615.2013.829030.
- Kutuk MS, Ozgun MT, Uludag S, Dolanbay M, Yildirim A. Acute pulmonary failure due to pulmonary edema during tocolytic therapy with nifedipine. *Arch Gynecol Obstet*. 2013 Oct;288(4):953-4. doi: 10.1007/s00404-013-2810-3.
- Kutuk MS, Ozgun MT, Uludag S, Akgun H, Balta B. A case of dichorionic twin pregnancy concordant for bilateral cleft lip and palate and discordant for spina bifida; schisis association. *Fetal Pediatr Pathol*. 2013 Oct;32(5):371-4. doi:10.3109/15513815.2013.789946.
- Kutuk MS, Ozgun MT, Uludag S, Dolanbay M, Poyrazoglu HG, Tas M. Postnatal outcome of isolated, nonprogressive, mild borderline fetal ventriculomegaly. *Childs Nerv Syst*. 2013 May;29(5):803-8. doi: 10.1077/s00381-013-2020-0.
- Tas M, Kutuk MS, Serin IS, Ozgun MT, Oner G, Ozturk F. Comparison of antiproliferative effects of metformin and progesterone on estrogen-induced endometrial hyperplasia in rats. *Gynecol Endocrinol*. 2013 Apr;29(4):311-4. doi: 10.3109/09513590.2012.743010.
- Kutuk MS, Ozgun MT, Tas M, Uludag S. Spontaneous uterine perforation due to pyometra. *J Obstet Gynaecol*. 2013 Apr;33(3):322-3. doi: 10.3109/01443615.2012.754415.
- Çelebi N, Küçük MS, Taş M, Soylu E, Etöz OA, Alkan A. Acute fetal distress following tooth extraction and abscess drainage in a pregnant patient with maxillofacial infection. *Aust Dent J*. 2013 Mar;58(1):117-9. doi: 10.1111/adj.12025.
- Kutuk MS, Ozgun MT, Uludag S, Serin IS, Akgun H. A case of ovarian sclerosing stromal tumour concomitant with endometrial adenocarcinoma in a postmenopausal woman. *J Obstet Gynaecol*. 2013 Jan;33(1):97-8. doi: 10.3109/01443615.2012.717990.
- Kutuk MS, Ozgun MT, Tas M, Poyrazoglu HG, Yikilmaz A. Prenatal diagnosis of split cord malformation by ultrasound and fetal magnetic resonance imaging: case report and review of the literature. *Childs Nerv Syst*. 2012 Dec;28(12):2169-72. doi: 10.1007/s00381-012-1900-z.

- Kutuk MS, Ozgun MT, Batukan C, Ozcelik B, Basbug M, Ozturk A. Oral tadalafil reduces intra-abdominal adhesion reformation in rats. *Hum Reprod* 2012 Mar;27(3):733-7. doi: 10.1093/humrep/der439.
- Kutuk MS, Goksedef BP. A postmenopausal woman developed a giant endometrial polyp during Raloxifene treatment. *J Obstet Gynaecol*. 2011 Oct;31(7):672. doi: 10.3109/01443615.2011.593648.
- Kutuk MS, Gorkem SB, Bayram AK, Doganay S, Canpolat M, Basbug M Prenatal Diagnosis and Postnatal Outcome of Schizencephaly. *J Child Neorol* 2014 Sep;30(10):1388-94. doi: 10.1177/0883073814556312.
- Kutuk MS, Balta B, Doganay S, Guzel M, Ozgun M(2014). Prenatal diagnosis of intestinal volvulus in afetus with homozygous M470V cystic fibrosis gene polymorphism. *J Obstet Gynecol* 2015;35(5):522-5. doi: 10.3109/01443615.2014.979779
- Uludag S, Kutuk MS, Dolanbay M, Ulker F, Ozgun MT (2014). Primary ovarian monochorionic twin ectopic pregnancy: case report and review of the literatüre. *J Reprod Med*.

## Membership

- Turkish Society of Maternal Fetal Medicine and Perinatology (2014)
- Turkish Society of Gynecology Obstetrics (TJOD), Member, 2016
- International Society of Ultrasound in Obstetrics and Gynecology
- International Society for Abnromally Invasive Placenta (2021)

