

## **Publications**

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### **Original Articles:**

Kuessel L, Wild J, Haslacher H, Perkmann T, Ristl R, Zeisler H, **Schmid M**. Urine and serum concentrations of Cytokeratin 19 in preeclampsia. *Eur J Obstet Gynecol Reprod Biol*. In press. **IF: 1.764**

Mlczoch E, Schmidt L, **Schmid M**, Kasprian G, Frantal S, Berger-Kulemann V, Prayer D, Michel-Behnke I, Salzer-Muhar U. Fetal cardiac disease and fetal lung volume: an in utero MRI investigation. *Prenat Diagn*. 2013 Dec 23. **IF 2.106**

**Schmid M**, Stary S, Springer S, Bettelheim D, Husslein P, Streubel B. Prenatal microarray analysis as second-tier diagnostic test - a single-center prospective study. *Ultrasound Obstet Gynecol*. 2013 Mar;41(3):267-273 **IF: 3.007**

Kuessel L, Grimm C, Knöfler M, Haslinger P, Leipold H, Heinze G, Egarter C, **Schmid M**. Common oxytocin receptor gene polymorphisms and the risk for preterm birth. *Dis Markers*. 2013;34(1):51-6. **IF: 1.642**

**Schmid M**, Haslinger P, Stary S, Leipold H, Egarter C, Grimm C. Interleukin-1 beta gene polymorphisms and preterm birth. *Eur J Obstet Gynecol Reprod Biol*. 2012 Nov;165(1):33-6. **IF: 1.764**

Posch A, Springer S, Langer M, Blaicher W, Streubel B, **Schmid M**. Prenatal genetic counseling and consanguinity. *Prenat Diagn*. 2012 Dec;32(12):1133-8. **IF 2.106**

**Schmid M**, Marschalek J, Springer S, Klein K, Kasprian G, Prayer D. Maternal smoking and fetal lung signals--an in utero MRI investigation. *Prenat Diagn*. 2012 Mar;32(3):272-6. **IF 2.106**

**Schmid M**, Stary S, Blaicher W, Gollinger M, Husslein P, Streubel B. Prenatal genetic diagnosis using microarray analysis in fetuses with congenital heart defects. *Prenat Diagn*. 2012 Apr;32(4):376-82. **IF 2.106**

Klein K, Mailath-Pokorny M, Elhenicky M, **Schmid M**, Zeisler H, Worda Ch. Mean, lowest, and highest pulsatility index of the uterine artery and adverse pregnancy outcome in twin pregnancies. *Am J Obstet Gynecol* 2011 Dec;205(6):549.e1-7 **IF 3.313**

**Schmid M**, Kasprian G, Marschalek J, Posch A, Balassy C, Prayer D. Maternal smoking and fetal lung volume-an in utero MRI investigation. *Prenat Diagn*. 2011 May;31(5):491-5 **IF 2.152**

**Schmid M**, Kasprian G, Kuessel L, Messerschmidt A, Brugger PC, Prayer D. The effect of antenatal corticosteroid treatment on the fetal lung-a magnetic resonance imaging study. *Ultrasound Obstet Gynecol*. 2011 Jan;38:94-98 **IF 3.163**

**Schmid M**, Kuessel L, Klein K, Metz V, Fischer G, Krampfl-Bettelheim E. First trimester fetal heart rate in mothers with opioid addiction. *Addiction*. 2010 Jul;105(7):1265-8 **IF 4.145**

**Schmid M**, Grimm Ch, Kuessel L, Wirth S, Worda Ch, Krampfl-Bettelheim E. Lunar cycle and nuchal translucency in the first trimester of pregnancy. *Biological Rhythm Research*. 2010 Feb;1744-4179 **IF 0.756**

**Schmid M**, Grimm Ch, Leipold H, Knöfler M, Haslinger P, Egarter Ch. A polymorphism of the corticotropin-releasing hormone Receptor 2 (CRHR 2) and preterm birth. *Dis Markers*. 2010 Jan;28(1):37-42 **IF 1.723**

Seebacher V, **Schmid M**, Polterauer S, Hefler-Frischmuth K, Leipold H, Concin N, Reinthaller A, Hefler L. The presence of postmenopausal bleeding as prognostic parameter in patients with endometrial cancer: a retrospective multi-center study. *BMC Cancer*. 2009 Dec 22;9:460 **IF 3.153**

**Schmid M**, Drahonsky R, Fast-Hirsch C, Baumühlner K, Husslein P, Blaicher W. Timing of referral for prenatal genetic counselling. *Prenat Diagn*. 2009 Feb;29(2):156-9 **IF 2.152**

**Schmid M**, Schneitter A, Hinterberger S, Seeber J, Reinthaller A, Hefler L. Association of elevated C-reactive protein levels with an impaired prognosis in patients with surgically treated endometrial cancer. *Obstet Gynecol*. 2007 Dec;110(6):1231-6 **IF 4.392**

Tempfer C, **Schmid M**, Bentz E, Huber JC, Keck Ch, Husslein P, Hefler L. Clinical outcome of delivery in women less than 18 years: a Matched Pair Study. *Geburtshilfe und Frauenheilkunde*. 2007 Sept;67:978-982 **IF 0.342**

Blaha P, Bigenzahn S, Koporc Z, **Schmid M**, Langer F, Selzer E, Bergmeister H, Wrba F, Kurtz J, Kiss C, Roth E, Muehlbacher F, Sykes M, Wekerle T. The influence of immunosuppressive drugs on tolerance induction through bone marrow transplantation with costimulation blockade. *Blood*. 2003 Apr 1;101(7):2886-93 **IF 10.558**

### **Review Articles and Editorials:**

Oepkes D, Yaron Y, Kozlowski P, Rego de Sousa MJ, Bartha JL, van den Akker ES, Dornan SM, Krampfl-Bettelheim E, **Schmid M**, Wielgos M, Cirigliano V, Di Renzo GC, Cameron A, Calda P, Tabor A. Counseling for non-invasive prenatal testing (NIPT): what pregnant women may want to know. *Ultrasound Obstet Gynecol*. 2014 Jul;44(1):1-5.

**Schmid M**. Non-invasive prenatal testing (NIPT) – Screening for fetal Aneuploidy by Analysis of cell-free DNA from maternal Blood. *Speculum - Zeitschrift für Gynäkologie un Geburtshilfe* 2014; 32 (2) (Ausgabe für Österreich), 10-14 (German)

**Schmid M**. Clinical application of microarray analysis in prenatal diagnosis. *Speculum - Zeitschrift für Gynäkologie un Geburtshilfe* 2013; 31 (3) (Ausgabe für Österreich), 18-21 (German)

**Schmid M**, Husslein P. The suffering caused by pregnancy on probation – a plea for the liberalization of preimplantation genetic diagnosis in Austria. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2011;29(2):6-7 (German)

**Schmid M**, Blaicher W. Prenatal genetic counselling case reports – Prenatal genetic counselling in consanguineous couples. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2011;29(1):8-10 (German)

**Schmid M**, Blaicher W. Prenatal genetic counselling case reports – Preconception screening for hereditary diseases in ethnic groups with increased disease risk. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2010;28(3):20-22

**Schmid M**, Blaicher W. Prenatal genetic counselling case reports – Familial Mediterranean Fever and pregnancy. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2010;28(2):21-22 (German)

Blaicher W, **Schmid M**. Prenatal genetic counselling. *Gyn Activ* 2009; 5 (German)

Blaicher W, **Schmid M**. Prenatal genetic counselling case reports – Management of a couple with balanced translocation in one partner. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2009;27(4):29-30 (German)

Blaicher W, **Schmid M**. Prenatal genetic counselling case reports – Management of a patient whose partner has been diagnosed with Huntington's disease. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2009;27(2):27-28 (German)

Blaicher W, **Schmid M**. Prenatal genetic counselling case reports – Management after a pregnancy with Severe Combined Immunodeficiency (SCID). *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2009;27(1):26-27 (German)

Blaicher W, **Schmid M**. Prenatal genetic counselling case reports – Management of a patient with CHILD-Syndrom. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2008;26(4):7-8 (German)

Blaicher W, **Schmid M**, Husslein P. Prenatal genetic counselling case reports – Prenatal corticoid therapy to avoid virilisation of the external genitalia in a girl with classic Adrenogenital Syndrome. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2008;26(3):6-8 (German)

Husslein P, Blaicher W, **Schmid M**. Predictive prenatal genetic diagnosis and genetic counselling. *Speculum - Zeitschrift für Gynäkologie und Geburtshilfe* 2008;26(1):4-5 (German)

Wekerle T, Blaha P, Langer F, **Schmid M**, Muehlbacher F. Tolerance through bone marrow transplantation with costimulation blockade. *Transpl Immunol.* 2002 May;9(2-4):125-33 **IF 1.912**

Wekerle T, Blaha P, Asari R, **Schmid M**, Kiss Ch, Roth E, Mühlbacher F. Tolerance Induction through mixed chimerism. *Eur. Surg.* 2002;34:131-135

#### **Book contributions:**

**Schmid M**, Blaicher W. Genetics of fetal disease. Fetal MRI – Edited by D. Prayer, Springer ISBN: 978-3-540-73270-9

#### **Abstracts:**

Springer S, Arzt J, Bettelheim D, **Schmid M**. Termination of pregnancy for fetal anomalies between 20+0 and 24+0 gestational weeks without fetocide: Fetal signs of life and survival times. 13th World Congress in Fetal Medicine. June 2014, Nice , France

**Schmid M**, Reischer T, Husslein P, Szkokan B, Krampfl-Bettelheim E. The impact of introducing cell-free DNA testing on the rate of invasive procedures after first trimester combined screening. 13th World Congress in Fetal Medicine. June 2014, Nice , France

Reischer T, Husslein P, Szkokan B, Krampfl-Bettelheim E, **Schmid M**. Cell-free DNA testing reduces invasive prenatal testing rates in the first trimester – a case control study. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2014. June 2014, Eisenstadt, Austria (German)

**Schmid M**, Kasprian G, Kuessel L, Messerschmidt A, Langer M, Brugger PC, Prayer D. MRI investigation of the effect of antenatal corticosteroid treatment on fetal lung maturation. *Advances in Fetal Imaging.* October 2011, Paris, France

**Schmid M**, Grimm Ch, Springer S, Haslinger P, Knoefler M, Egarter Ch. Polymorphisms of the Interleukin-1 $\beta$  gene and preterm birth. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2011. May 2011, Erlangen, Germany (German)

Kuessel L, Springer S, Posch A, Grimm Ch, Krampfl-Bettelheim E, **Schmid M**. The difference of Methadone and Buprenorphine in their influence on fetal heart rate in the first trimester of pregnancy. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2011. May 2011, Erlangen, Germany (German)

Posch A, Grimm Ch, Steinwendner S, Husslein P, Blaicher W, **Schmid M**. Retrospective analysis of 217 consanguineous couples of the prenatal genetic counseling clinic. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2011. May 2011, Erlangen, Germany (German)

Kasprian G, Mitter C, Brugger PC, Perju-Dumbrava L, **Schmid M**, Prayer D. Early fetal MRI diagnosis of lissencephaly. *European Congress of Radiology (ECR)* 2011, March 2011, Vienna, Austria

Kasprian G, Mitter C, Brugger PC, **Schmid M**, Kulemann V, Perju-Dumbrava L, Prayer D. Prenatal diffusion tensor imaging in callosal agenesis. European Congress of Radiology (ECR) 2011, March 2011, Vienna, Austria

**Schmid M**, Sary S, Blaicher W, Husslein P, Streubel B. Prenatal genetic analysis using DNA-Microarray technology in fetuses with congenital heart defects. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2010. June 2010, Zell am See, Austria (German)

**Schmid M**, Kasprian G, Kuessel L, Hachemian N, Langer M, Blaicher W, Prayer D. MRI investigation of the effect of antenatal corticosteroid treatment on fetal lung maturation. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2010. June 2010, Zell am See, Austria (German)

**Schmid M**, Kasprian G, Kuessel L, Messerschmidt A, Langer M, Brugger PC, Prayer D. MRI investigation of the effect of antenatal corticosteroid treatment on fetal lung maturation. 3rd International Fetal MRI Congress. May 2010, Vienna, Austria

**Schmid M**, Hachemian N, Posch A, Balassy C, Kasprian G, Brugger PC, Prayer D. Impact of maternal smoking on fetal lung development – an in utero MRI investigation. 3rd International Fetal MRI Congress. May 2010, Vienna, Austria

Woittek R, Kasprian G, Brugger PC, Lindner C, Stuhr F, **Schmid M**, Prayer D. Eye movement patterns on fetal MRI. European Congress of Radiology (ECR) 2010, March 2010, Vienna, Austria

Woittek R, Brugger PC, Kasprian G, Stuhr F, Lindner C, **Schmid M**, Prayer D. Development of fetal eye movements and gaze assessed by MRI. Annual Meeting of the Radiological Society of North America (RSNA) 2009, November 2009, Chicago, USA

**Schmid M**, Grimm Ch, Kuessel L, Worda Ch, Krampfl-Bettelheim E, Blaicher W. Impact of lunar position on nuchal translucency in the first trimester of pregnancy. 9th World Congress of Perinatal Medicine. October 2009, Berlin, Germany

**Schmid M**, Grimm Ch, Fischer G, Worda Ch, Krampfl-Bettelheim E. First trimester fetal heart rate in mothers with opioid addiction. 8th World Congress in Fetal Medicine. June 2009, Portorose, Slovenia

**Schmid M**, Grimm Ch, Küssel L, Blaicher W. Serum levels of Anti-Muellerian Hormone for prediction of fetal gender at 12-15 gestational weeks – a pilot study. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2009. June 2009, Vienna, Austria (German)

**Schmid M**, Grimm Ch, Wirth S, Blaicher W. First trimester fetal heart rate in mothers with opioid addiction. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2009. June 2009, Vienna, Austria (German)

**Schmid M**, Grimm Ch, Krampfl-Bettelheim E. Impact of lunar position on nuchal translucency between 11+0 and 13+6 gestational weeks. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2009. June 2009, Vienna, Austria (German)

Küssel L, Blaicher W, **Schmid M**. Diagnosis of Gorlin-Goltz Syndrome in pregnancy – a case report. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2009. June 2009, Vienna, Austria (German)

**Schmid M**, Krampfl E, Arzt W, Brugger P, Blaicher W, Prayer D. Prenatal Ultrasound Findings leading to fetal MRI diagnosis of lissencephaly. 2nd International Fetal MRI Congress. May 2008, Vienna, Austria

**Schmid M**, Chalubinski K, Krampfl E. Successful Management of a Heterotopic Cervical Pregnancy – A Case Report. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2008. May 2008, Dornbirn, Austria (German)

**Schmid M**, Drahonsky R, Fast-Hirsch Ch, Husslein P, Blaicher W. Timing of prenatal genetic counselling for hereditary risk factors: an analysis of patient characteristics and consequences. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2008. May 2008, Dornbirn, Austria (German)

**Schmid M**, Grimm Ch, Leopold H, Knöfler M, Haslinger P, Egarter Ch. A polymorphism of the Corticotropin-releasing Hormone Receptor 2 (CRHR 2) and preterm birth. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2008. May 2008, Dornbirn, Austria (German)

Seebacher V, **Schmid M**, Polterauer S, Grimm C, Leopold H, Hinterberger S, Concini N, Klotz R, Tempfer C, Reinthaller A, Hefler L. Influence of time interval between D&C and hysterectomy on survival of patients with endometrial cancer. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2008. May 2008, Dornbirn, Austria (German)

**Schmid M**, Grimm Ch, Seebacher V, Leopold H, Hinterberger S, Concini N, Marth Ch, Seeber J, Tempfer Ch, Reinthaller A, Hefler L. C-reactive Protein Serum Levels as prognostic Parameter in Patients with Endometrial Cancer. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2007. Munich, Germany (German)

**Schmid M**, Bentz EK, Huber JC, Keck Ch, Hefler L, Tempfer CB. Delivery Mode of 381 Women <18 Years: a matched control study. Joint Meeting of the Bavarian Society of Obstetrics and Women's Health (BGGF) and the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2007. Munich, Germany (German)

Grimm Ch, **Schmid M**, Polterauer S, Zeilinger R, Sliutz G, Speiser P, Reinthaller A, Hefler L. C-reactive Protein serum levels as prognostic Parameter in Patients with Ovarian Cancer. Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG) 2006. June 2006, Linz, Austria (German)

Wekerle T, Blaha P, **Schmid M**, Asari R, Roth E, Mühlbacher F. Transplantation of haematopoietic stem cells with costimulation blockade for induction of tolerance. 5th Meeting for Innovation in Organ Replacement. September 2001, Rauschholzhausen, Germany

Blaha P, Langer F, **Schmid M**, Kiss C, Selzer E, Bergmeister H, Kurtz J, Muehlbacher F, Sykes M, Wekerle T. The effects of immunosuppression on tolerance induction through bone marrow transplantation with costimulation blockade. ATC - American Transplant Congress 2002. April 2002, Washington D.C., USA

Blaha P, **Schmid M**, Bigenzahn S, Langer F, Selzer E, Bergmeister H, Kurtz J, Muehlbacher F, Sykes M, Wekerle T. Tolerance induction through bone marrow transplantation with costimulation blockade and the influence of immunosuppressive drugs. The Transplant Society XIX International Congress. August 2002, Miami, USA

Bigenzahn S, Blaha P, Koporc Z, **Schmid M**, Selzer E, Bergmeister H, Heusser C, Muehlbacher F, Wekerle T. Influence of anti-CD25 mAb on tolerance induction through BMT plus costimulation blockade. Austrotransplant 2002. October 2002, Loipersdorf, Austria (German)

Bigenzahn S, Blaha P, Koporc Z, **Schmid M**, Selzer E, Bergmeister H, Heusser C, Wagner K, Muehlbacher F, Wekerle T. Influence of anti-CD25 mAb on tolerance induction through BMT with costimulation blockade. The International Society for Heart and Lung Transplantation 23rd Annual Meeting and Scientific Sessions. April 2003, Vienna, Austria

### **Invited scientific talks**

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#### **Oct. 2014: Annual meeting of the German Society of Obstetrics and Gynecology (DGGG) 2014, Munich, Germany**

- NIPT – Experiences in Austria and perspectives for the future

#### **Sep. 2014: Ultrasound concrete – Educational series in Ultrasound, Seggau, Austria**

- First trimester screening and NIPT

#### **Sep. 2014: Korneuburg regional Hospital CME Lectures, Korneuburg, Austria**

- NIPT

#### **Jun. 2014: Annual Meeting of the Austrian Society of Obstetrics and Gynaecology (OEGGG), Eisenstadt, Austria**

- Cell-free DNA in maternal blood – What parents need to know

#### **May 2014: Symposium for the circle of Endocrinologists, Vienna, Austria**

- Non-invasive prenatal testing, Microarrays and Whole Genome Sequencing – is it ethical to know the future of a fetus?

#### **Mar. 2014: Ultrasound concrete – Educational series in Ultrasound, Vienna, Austria**

- NIPT & Co – Where do we go from here?

#### **Dec. 2013: German Congress of Perinatal Medicine, Berlin, Germany**

- Experiences with non-invasive prenatal testing (NIPT) in Austria

#### **Dec. 2013: Menopause-Andropause-AntiAging 2013, Vienna, Austria**

- Microarrays – “Genechips” in prenatal diagnosis

#### **Nov. 2013: Ultrasound meeting – Seggau 2013 “First trimester update in theory and practice”, Seggau, Austria**

- New genetic methods – what do I tell the patient

#### **Aug. 2012: Annual Meeting Australian Association of Obstetricians and Gynaecologists (AAOGU), Kingscliff, NSW, Australia**

- Skeletal Dysplasia – an overview including signs of lethality

#### **Oct. 2011: 1<sup>st</sup> Annual Meeting of the Austrian Society for Blood Group Serology, Transfusion Medicine, Regenerative Medicine and Immunogenetics (ÖGBT), Innsbruck, Austria**

- Non-invasive prenatal diagnosis from maternal blood

#### **Jun. 2010: 3<sup>rd</sup> Woerthersee Meeting - Fetomaternal Medicine, Maria Woerth, Austria**

- New methods of prenatal genetic diagnosis

#### **Jun. 2009: 2<sup>nd</sup> Woerthersee Meeting - Fetomaternal Medicine, Maria Woerth, Austria**

- Prenatal genetic counselling

#### **Jan. 2007: Austrian Medical Association, Vienna, Austria**

- Basics of genetic counselling