

PubMed Suche I

Basics

PubMed/Medline

- Medline = Literaturdatenbank National Library of Medicine
 - 5600 med. Zeitschriften von 1949 bis heute
 - jährlich ca. 500.000 neue Einträge
 - viele deutschsprachige Zeitschriften nicht enthalten
- PubMed = Suchoberfläche der National Library für Medline
 - kostenfrei im Netz

Es gibt auch andere Suchoberflächen für Medline (z.B. über Ovid besser für Profis)

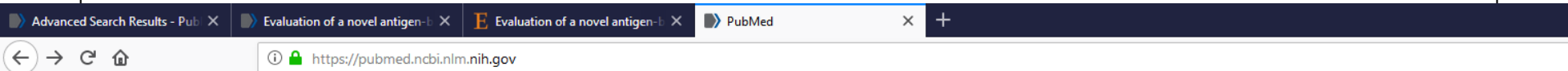
PubMed: Suchbegriffe

- Beispiel-Frage: kann Metformin in der Schwangerschaft eingesetzt werden?
- Frage operationalisieren (z.B. PIKO-Schema: Patienten, Intervention, Kontrolle, Outcome):
Führt (I) Metformin in der (P) Schwangerschaft zu (O) kongenitalen Missbildungen
- Suchbegriffe müssen auf Englisch sein!!!! Hilfe z.B. über online-Wörterbuch <http://dict.leo.org/>

Schwangerschaft = pregnancy

kongenitale Missbildung = congenital malformation

Und los geht's




COVID-19 is an emerging, rapidly evolving situation.

Get the latest public health information from CDC: <https://www.coronavirus.gov>.

Get the latest research from NIH: <https://www.nih.gov/coronavirus>.

Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2/>.

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- Books and Documents

67 results

Zahl der Treffer

Analysis of the susceptibility to COVID-19 in pregnancy and recommendations on potential drug screening.
1
Cite Zhao X, Jiang Y, Zhao Y, Xi H, Liu C, Qu F, Feng X.
Eur J Clin Microbiol Infect Dis. 2020 Jul;39(7):1209-1220. doi: 10.1007/s10096-020-03897-6. Epub 2020 Apr 23.
Share
PMID: 32328850 [Free PMC article.](#) [Review.](#)
To analyze the susceptibility of SARS-CoV-2 in pregnancy and the drugs that can be used to treat pregnancy with COVID-19, so as to provide a reference for drug selection in clinic. ...Furthermore, the prognosis is worse after infection when compared with non-pregnant women ...

Hier wäre z.B. Volltext frei verfügbar

Maternal and Neonatal Outcomes of Metformin Therapy.
2
Cite Gupta S, Takkar N, Goel P.
J Obstet Gynaecol India. 2019 Dec;69(6):490-494. doi: 10.1007/s13224-019-01216-4. Epub 2019 Mar 23.
Share
PMID: 31844362
Duration of metformin therapy ranged from a minimum of 2 months to a maximum of 6 months. ...Neonatal hypoglycemia was seen in 3.8% of the babies and 6.7% required NICU admission. No case of congenital malformation was reported. CONCLUSIONS: Metformin ...

Und jetzt....

- Zahl der Treffer ok:
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 - andere/weitere Begriffe
 - Fortgeschrittene: Advanced search/MeSH (PubMed II)

- Pregnancy** outcome after first-trimester exposure to **metformin**: A prospective cohort study.
7
Cite Scherneck S, Schlinke N, Beck E, Grupe K, Weber-Schoendorfer C, Schaefer C.
Reprod Toxicol. 2018 Oct;81:79-83. doi: 10.1016/j.reprotox.2018.07.004. Epub 2018 Jul 11.
Share PMID: 30017588
The aim of this study was to evaluate the risk of **metformin** use during the first trimester of **pregnancies** with **metformin** treatment during ...

Könnte interessant sein! Klicken auf Überschrift, um Abstract anzusehen

- Metformin** exposure in first trimester of **pregnancy** and risk of all or specific **congenital** anomalies: exploratory case-control study.
8
Cite Given JE, Loane M, Garne E, Addor MC, Bakker M, Bertaut-Nativel B, Gatt M, Klungsoyr K, Lelong N, Morgan M, Neville AJ, Pierini A, Rissmann A, Dolk H.
Share BMJ. 2018 Jun 25;361:k2477. doi: 10.1136/bmj.k2477.
PMID: 29941493 [Free PMC article.](#)
OBJECTIVE: To investigate whether exposure to **metformin** during the first trimester of **pregnancy**, for diabetes or other indications, increases the risk of all or specific **congenital** anomalies. ...Further surveillance is needed to increase sample size and follo ...

- In-utero exposure to **metformin** for type 2 diabetes or polycystic ovary syndrome: A prospective comparative observational study.
9
Cite Diav-Citrin O, Steinmetz-Shoob S, Shechtman S, Ornoy A.
Reprod Toxicol. 2018 Sep;80:85-91. doi: 10.1016/j.reprotox.2018.05.007. Epub 2018 May 29.
Share PMID: 29857030
RESULTS: 170 T1-**metformin**-exposed **pregnancies** [119 for diabetes and 51 for polycystic ovary syndrome (PCOS)] were prospectively followed-up and compared with 93 **pregnancies** of T1-insulin treated women and 530 non-teratogenic exposed (NTE) **pregnancies**. ...

> [Reprod Toxicol.](#) 2018 Oct;81:79-83. doi: 10.1016/j.reprotox.2018.07.004. Epub 2018 Jul 11.

Pregnancy outcome after first-trimester exposure to metformin: A prospective cohort study

Stephan Scherneck ¹, Natalie Schoendorfer ², Christof Schauberger

Affiliations + expand

PMID: 30017588 DOI: [10.1016/j.reprotox.2018.07.004](#)

Aus Abstract Design und Forschungsfrage ableiten...

Abstract

The aim of this study was to evaluate the risk of major birth defects and spontaneous abortion after metformin use during the first trimester of pregnancy. We conducted an observational cohort study comparing pregnancies with metformin treatment during the first trimester with non-exposed women matched for BMI and year of enrolment. Pregnancies were prospectively ascertained in the German Embryotox pharmacovigilance database between 2004 and 2014. The study sample included 336 pregnancies with metformin exposure for PCOS and fertility disorders (56.8%), diabetes (25.9%) and insulin resistance (14.9%) and 1011 matched controls. Independent of the treatment indication, neither the rate of major birth defects (OR adjusted 0.58, 95% CI 0.3-1.3) nor of spontaneous abortions (HR adjusted 0.95, 95% CI 0.6-1.5) was significantly increased among metformin exposed. Our study supports the evidence that metformin does not carry a developmental risk for the fetus when used during the first trimester.

Keywords: Birth defects; Malformation; Metformin; Off-label use; Pregnancy outcome; Spontaneous abortion.

FULL TEXT LINKS

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Volltext link – ist aber wohl kosten-pflichtig. Wie über den Unizugang Volltexte besorgt werden können, siehe Datei eAccess TUM

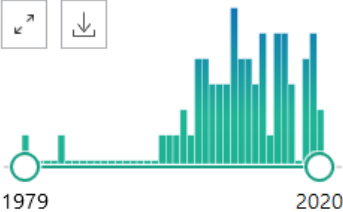
Publication types

MeSH terms

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ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Review

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- 1 year
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[Analysis of the susceptibility to COVID-19 in pregnancy and recommendations on potential drug screening.](#)

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Cite Zhao X, Jiang Y, Zhao Y, Xi H, Liu C, Qu F, Feng X.

Share Eur J Clin Microbiol Infect Dis. 2020 Jul;39(7):1209-1220. doi: 10.1007/s10096-020-03897-6. Epub 2020 Apr 23.

PMID: 32328850 [Free PMC article.](#) [Review.](#)

To analyze the susceptibility of SARS-CoV-2 in pregnancy and the drugs that can be used to treat

Über die Filteroptionen können wir die Suche einschränken nach Artikelart, Verfügbarkeit, Publikationszeitraum etc.

Nehmen wir mal "Meta-Analysis"

2
Cite

Share

PMID: 51844567

Duration of ... changed from a minimum of 2 months to a maximum of 6 months.

...Ne ... was seen in 3.8% of the babies and 6.7% required NICU admission. No case of

malformation was reported. CONCLUSIONS: Metformin ...

[Polycystic ovarian syndrome: Correlation between hyperandrogenism, insulin resistance and obesity.](#)

3
Cite Zeng X, Xie YJ, Liu YT, Long SL, Mo ZC.

Share Clin Chim Acta. 2020 Mar;502:214-221. doi: 10.1016/j.cca.2019.11.003. Epub 2019 Nov 13.

PMID: 31733195 [Review.](#)

Polycystic ovary syndrome (PCOS) is a complex and heterogeneous endocrine disease characterized by clinical or laboratorial hyperandrogenism, oligo-anovulation and metabolic abnormalities, including insulin resistance, excessive weight or obesity, type II diabetes, dyslipi ...

[Brain somatic mutations in MTOR reveal translational dysregulations underlying intractable focal epilepsy.](#)

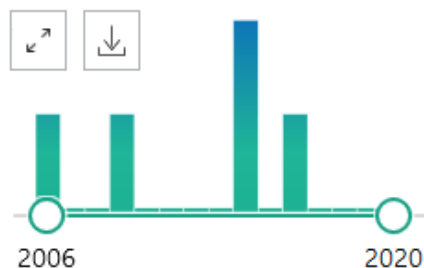
4
Cite Kim JK, Cho J, Kim SH, Kang HC, Kim DS, Kim VN, Lee JH.

Share J Clin Invest. 2019 Oct 1;129(10):4207-4223. doi: 10.1172/JCI127032.

PMID: 31483294 [Free PMC article.](#)

In this study, translational profiling of intractable epilepsy mouse models with brain somatic mutations and genome-edited cells revealed a novel translational dysregulation mechanism and mTOR activation-sensitive targets mediated by human MTOR mutations that lead to intractable ...

RESULTS BY YEAR



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PUBLICATION DATE

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- 1 **Major malformation risk, pregnancy outcomes, and neurodevelopmental outcomes associated with metformin use during pregnancy.**
 Andrade C.
 J Clin Psychiatry. 2016 Apr;77(4):e411-4. doi: 10.4088/JCP.16f10789.
 Share PMID: 27137425 [Free article.](#)
 This article examines the benefits and risks associated with **metformin** use during **pregnancy**. The available data suggest that **metformin** exposure during the first trimester is not associated with major **congenital** malformations; that **metformin** redu ...
- 2 **Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome.**
 Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Macedo CR.
 Cochrane Database Syst Rev. 2014 Nov 18;2014(11):CD006105. doi: 10.1002/14651858.CD006105.pub3.
 Share PMID: 25406011 [Free PMC article.](#) [Review.](#)
 As a consequence, it is suggested that **metformin** could improve assisted reproductive techniques (ART) outcomes, such as ovarian hyperstimulation syndrome (OHSS), **pregnancy** and live birth rates.
 OBJECTIVES: To determine the effectiveness and safety of **metformin** ...
- 3 **First-trimester exposure to metformin and risk of birth defects: a systematic review and meta-analysis.**
 Cassina M, Donà M, Di Gianantonio E, Litta P, Clementi M.
 Hum Reprod Update. 2014 Sep-Oct;20(5):656-69. doi: 10.1093/humupd/dmu022. Epub 2014 May 25.
 Share PMID: 24861556 [Review.](#)
 BACKGROUND: **Metformin** is generally considered a non-teratogenic drug; however, only a few studies specifically designed to assess the rate of **congenital** anomalies after **metformin** use have been published in the literature. ...The **metformin**-exposed sampl ...

- Abstract
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- Meta-Analysis
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Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome.

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Cite Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Macedo CR.
Share Cochrane Database Syst Rev. 2014 Nov 18;2014(11):CD006105. doi: 10.1002/14651858.CD006105.pub3.
PMID: 25406011 **Free PMC article.** Review.

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PMID: 24861556 **Review.**

Für Aktualisierungssuchen für die Dissertation o.ä. gibt es hier noch genauere Möglichkeiten

Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome.

Cite Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Freitas V.
Share Cochrane Database Syst Rev. 2009 Apr 15;(2):CD006105. doi: 10.1002/14651858.CD006105.pub2.
PMID: 19370625 **Updated.** Review.

As a consequence, **metformin** could improve both **pregnancy** and live birth rates. OBJECTIVES: To determine the effectiveness and safety of **metformin** ...

Weitere Suchfilter (z.B. Species, Alter, Geschlecht) gibt es auch hier....

Pregnancy outcomes in women with polycystic ovary syndrome: a systematic review and meta-analysis.

5
Cite Gilbert C, Valois M, Koren G.
Share Fertil Steril. 2006 Sep;86(3):658-63. doi: 10.1016/j.fertnstert.2006.02.098. Epub 2006 Jul 31.
PMID: 16879826 **Review.**
SETTING: All pertinent studies in MEDLINE and EMBASE from 1966 to September 2004. PATIENT(S): Women with PCOS or diabetes. INTERVENTION(S): Exposure to **metformin** in the first trimester of **pregnancy**. ...CONCLUSION(S): On the basis of the limited ...

Und jetzt....

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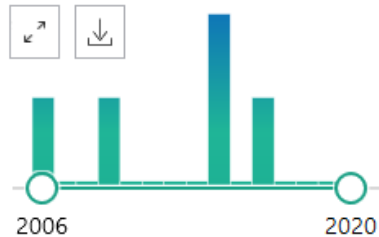
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Cite Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Macedo CR.

Cochrane Database Syst Rev. 2014 Nov 18;2014(11):CD006105. doi:



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