BIRTH DEFECTS IN CHILDREN FROM MULTIPLE PREGNANCIES IN THE CZECH REPUBLIC

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Aim and type of study: A retrospective study with data analysis of postnatal occurrence of selected types of congenital anomalies in children from multiple pregnancies in the Czech Republic in 1994 – 2004 and a comparison of these data to incidences of birth defects in children from single pregnancies.

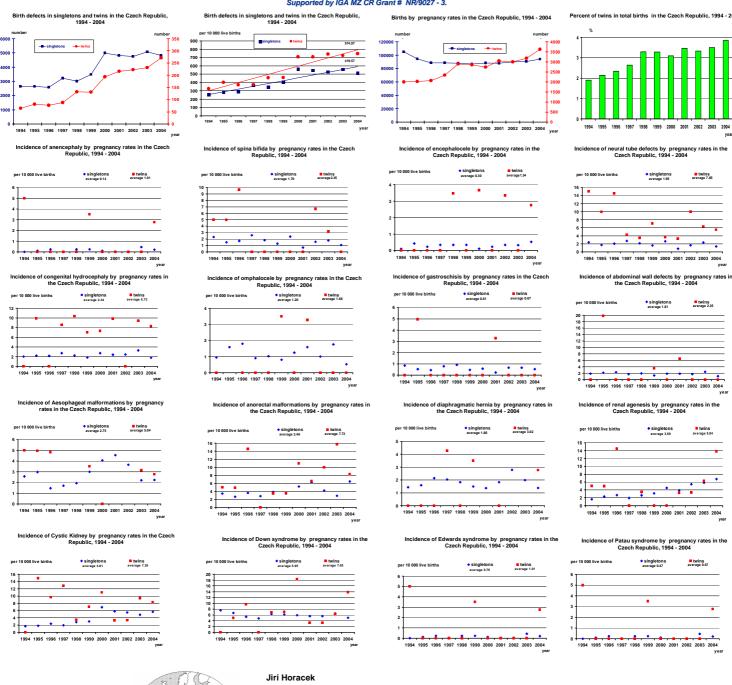
and a comparison of these data to incidences of birth defects in children from single pregnancies.

Material and methods: A retrospective epidemiological incidences analysis of selected types of congenital anomalies in the Czech Republic during 1994 – 2004 period according to pregnancy multiplicity. A contribution of these cases to total incidences was also analyzed

Results: In 1994 – 2004, there was a total of 1 030 069 children born in the Czech Republic, out of which more than 30 000 from multiple pregnancies. From a group of more than 33 000 children born with a

birth defect in this period, 1 384 were from multiple pregnancies (24.14 % mono and 75.86 % dizygotic twins). Totally, 15 cases of anencephaly was collected along with other defects: spina biffida 173, encephalocele 45, congenital hydrocephalus 247, omfalocele 120, gastroschisis 62, oesopfageal defects 241, anorectal malformations 320, diafragmatic hernia 193, renal agenesis/hypoplasia 306, cystic kydney 375 and Down syndrome 650. As a control group, data on 15 399 twin pregnancies from the same period were used. In the period under the study, the contribution of multiple pregnancies was Sto and Down syndrome bot. As a control group, data on 15 389 twin pregnancies from the same period were used. In the period under the study, the contribution of multiple pregnancies was steadily increasing in the Czech Republic (increasing mean maternal age, increasing use of AR techniques etc.) bringing also more children with birth defects from these pregnancies steadily increasing use of AR techniques etc.) bringing also more children with birth defects from these pregnancies with also a different spectrum of types of defects.

Supported by IGA MZ CR Grant # NR/9027 - 3.





Poster Number: PO113

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