PRENATAL DIAGNOSTICS OF CONGENITAL ANOMALIES IN ASSISTED REPRODUCTION PREGNANCIES: POPULATION-BASED DATA FROM THE CZECH REPUBLIC.

Antonín Šípek Jr 1,2; Vladimír Gregor 1,3; Antonín Šípek Sr. 1,3,4; Jan Klaschka 5,6; Marek Malý 5,7; Jitka Jírová 8

1) Department of Medical Genetics, Thomayer Hospital, Prague, Czech Republic; 2) Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University, Prague, Czech Republic; 3) Department of Medical Genetics, Prenatal Sanitary, Prague, Czech Republic; 4) Institute of Biology and Medical Genetics, Third Faculty of Medicine, Charles University, Prague, Czech Republic; 5) Institute of Computer Science of the Czech Academy of Sciences, Prague, Czech Republic; 6) Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University, Prague, Czech Republic; 7) National Institute of Public Health, Prague, Czech Republic; 8) Institute for Health Information and Statistics, Prague, Czech Republic

Czech Republic - Infobox
13 regions and the capital Prague; 76 districts in total
Population: 10 553 843
Area: 78,866 km²

Surveillance - Infobox
- 50+ years of history; the registry was founded in 1964.
- Population-wide coverage; reporting is compulsory.
- Data are stored in the State Institute of Health Information and Statistics (ÚZIS ČR)
- Multiple sources (geneticists, neonatologists, paediatricians, other specialists).
- Registry includes cases diagnosed in livebirths, stillbirths and prenatally diagnosed cases.
- Termination of pregnancy – legal (up to 24th GW)
- Main classification system: ICD-10 (national)

Methods
- Data source: National registry of Reproductive Health of the Czech Republic
- Prenatal diagnostics data: 1998-2015
- Live-births data: 2013 – 2015
- Congenital anomalies group: (Q00-Q09)
- Statistical anomalies were performed by Pearson’s chi-square test and by logistic regression analysis.
- p values lower than 0.05 were considered statistically significant

http://www.vrozeny-vady.cz/
Contact: antonin.sipek@ff1.cuni.cz

Disclosure:
The study is supported by Ministry of Health of the Czech Republic, grant no. AZV17-29622S and RVO project: “Therapeutic intervention - 100% of TTC”.
The results of this study were not yet published.