CORRECTION Open Access

Correction to: Perinatal outcomes in Finnish twins: a retrospective study



Annu-Riikka Susanna Rissanen^{1*}, Riina Maria Jernman², Mika Gissler^{3,4}, Irmeli Katriina Nupponen⁵ and Mika Erkki Nuutila²

Correction to: BMC Pregnancy Childbirth 2, 20 (2020) https://doi.org/10.1186/s12884-019-2670-3

Following publication of the original article [1], the authors identified some errors in the Results and Discussion sections.

The Results and Discussion sections have been replaced with the updated version and the changes have been highlighted in **bold typeface**.

Results

Paragraph 8

Respiratory distress syndrome was more common in twin B (p < 0.001). Twin B ended up in a respirator (p < 0.001) more often but the amount of bronchopulmonary dysplasia or hypoxic ischemic encephalopathy diagnoses did not differ between twin A and B. Twin B also received more antibiotics than twin A (p = 0.002) and was more often admitted to NICU (p < 0.001) (Fig. 3) even though both the admittance rate to NICU and antibiotic use have risen markedly during the years for both twins (p < 0.001 for both). Sepsis diagnoses have, however, remained stable. Phototherapy was needed equally for both twins, but the amount of twin B at home by the age of seven days was significantly lower than twin A (p = 0.006).

Discussion

Paragraph 5, sentence 3

The short-term morbidity in particular seems to be higher for twin B with possible consequences on early interaction.

The original article can be found online at https://doi.org/10.1186/s12884-019-2670-3

¹Department of Obstetrics and Gynecology, University of Helsinki and Welfare District of Päijät-Häme, Keskussairaalankatu 7, 15850 Lahti, Finland Full list of author information is available at the end of the article



Author details

¹Department of Obstetrics and Gynecology, University of Helsinki and Welfare District of Päijät-Häme, Keskussairaalankatu 7, 15850 Lahti, Finland. ²Obstetrics and Gynecology, University of Helsinki and Helsinki University Hospital, Haartmaninkatu 2, PL 140, 00029 HUS Helsinki, Finland. ³Finnish Institute for Health and Welfare, Mannerheimintie 166, PL 30, 00271 Helsinki, Finland. ⁴Karolinska Institute, Stockholm, Sweden. ⁵Children's Hospital, University of Helsinki and Helsinki University Hospital, Stenbäckinkatu 9, PL347, 00029 HUS Helsinki, Finland.

Published online: 30 July 2020

Reference

 Rissanen AS, et al. Perinatal outcomes in Finnish twins: a retrospective study. BMC Pregnancy Childbirth. 2020;20:2. https://doi.org/10.1186/s12884-019-2670-3.

© The Author(s). 2020 **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecommons.org/licenses/by/4.0/. The Creative Commons Public Domain Dedication waiver (http://creativecommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

^{*} Correspondence: annu-riikka.rissanen@fimnet.fi