

Press Release 10th of June 2010

New study presented:

***Lactobacillus reuteri* Protectis reduced crying time in infants with colic**

After only one week of supplementation the reduction in daily crying time was 74 % among the infants supplemented by *L. reuteri* Protectis compared to 38 % in the placebo group. At the end of the study there was a significant difference between the two groups.

– These results are in line with previous studies on colics and confirm the benefit of *L. reuteri* in colicky infants, says Doctor Francesco Savino, Department of Paediatrics, Regina Margherita Children's Hospital, University of Turin, Italy.

In this double blind, placebo controlled study 50 infants with confirmed infantile colic were randomly assigned to two treatments: *L. reuteri* Protectis drops 10⁸ CFU per day or placebo for 21 consecutive days.

The primary outcome was a reduction in average crying time to less than three hours per day, which is the limit of colic, by day 21. On day 21, 84 % of the *L. reuteri* Protectis supplemented infants had resolved their colic (dropped to less than three hours of crying), a significantly higher number compared to 43% in the placebo group (p<0.05).

At the time of inclusion the median crying time per day was 370 minutes in the probiotic group and 300 minutes in the placebo group. On day seven the crying time had been reduced by 74 %, to 95 minutes, in the *L. reuteri* Protectis group and to 185 minutes in the placebo group (p=0.082). At the end of the study there was a significant difference in median daily crying time between the groups, 35 minutes in the *L. reuteri* Protectis group versus 90 minutes in the placebo group (p<0.05).

The proportion of infants responding to the supplementation, defined as a 50 % or greater reduction in median crying time, was significantly greater in the *L. reuteri* Protectis group compared to the placebo group at day 7, 14 and 21 of the study.

– The data with *L. reuteri* are convincing and confirm, in a placebo-controlled study, our earlier data with this probiotic. We believe these results will have an impact on the treatment of infants with colic, says Doctor Savino.

The study was presented on the Annual Meeting of ESPGHAN in Istanbul on the 10th of June 2010.

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BioGaia is a biotechnology company that develops, markets and sells probiotic products with documented health benefits. The products are primarily based on the lactic acid bacterium *Lactobacillus reuteri* (Reuteri), which has probiotic, health-enhancing effects. The class B share of the Parent Company BioGaia AB is quoted on the Small Cap list of the NASDAQ OMX Nordic Exchange Stockholm.
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