

## Researchers recommend limiting the time during which mother's milk is given to premature babies

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Credit: Asociación RUVID

Giving human milk to premature babies is recommended by the WHO for at least six months to provide nutrients and essential antimicrobial



substances for those babies born with low weight or who are immunosuppressed. In premature babies, milk is administered through a nasogastric tube. These newborns are at risk of infection by pathogens such as Cronobacter sakazakii.

Researchers of the CEU Cardenal Herrera University have studied the optimum conditions to administer human milk through nasogastric tubes to premature babies in newborn nurseries to decrease the risk of infection by this bacterium, recommending that it is not administered for more than 3.5 hours.

The study was carried out by the directors of the Research Group of Human Nutrition and Food Safety of the CEU UCH, Dolores Silvestre Castelló and Mari Carmen López Mendoza, as well as research professor Sandra Fernández Pastor, who presented the study at the Congress.

Pastor says, "The Cronobacter sakazakii bacterium is a pathogen linked to outbreaks of infection caused by consuming powdered formulas for infants which causes meningitis, sepsis and necrotising enteritis. Mortality rates of 40 to 80 percent have been registered, and the survivors typically suffer from severe neurological effects. The contamination of human milk by this same bacterium has recently been documented, which is why we decided to analyse the optimum conditions for administering this donated milk to premature infants in neonatology units in order to decrease the risk of infection."



compared to the beginning, making the differences significant. Therefore, as well as taking greater hygiene precautions to prevent contamination by the microorganism, we also recommend decreasing the administration time in newborn nurseries to 3.5 hours, before the bacteria starts increasing its proliferation," explains professor Sandra Fernández.

## Provided by Asociacion RUVID

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