



N&G 2023 Conference

30 March - 1 April 2023
London, UK

Opening/Closing Session	Plenary Session	Industry Symposium
Parallel Session	Oral Presentation	Special Session

*Industry Symposium Session - Not included in main event CME/CPD credit.

** The program remains subject to change.

10TH INTERNATIONAL CONFERENCE ON NUTRITION & GROWTH

THURSDAY, 30 MARCH 2023

	Platinum Suite Room 1-2	Platinum Suite Room 3	Platinum Suite Room 4
10:30-12:00	Industry Symposium 1 <i>Not included in main program CME/CPD credit</i>		
12:00-12:30	Break		
12:30-13:15	Opening Ceremony & Keynote Lecture How should we Analyze Longitudinal Growth?		
13:15-14:45	Plenary Session 1: <u>New Treatments for Obesity</u>		
14:45-15:00	Break		
15:00-16:00	Parallel Session 1: <u>The Key Role of Nutrition in Short Bowel Syndrome</u>		
16:00-16:30	Coffee Break, E-Posters Viewing & Exhibition Visit		
16:30-18:00		Industry Symposium 2 <i>Not included in main program CME/CPD credit</i>	
18:00-18:15	Break		
18:15-19:15	Plenary Session 2: <u>Food Allergy Management and Prevention</u>		
19:15-20:15	Welcome Reception @Exhibition Area		

FRIDAY, 31 MARCH 2023

	Platinum Suite Room 1+2	Platinum Suite Room 3	Platinum Suite Room 4
08:00-08:25	Special Session: New Insights Into Biology of Human Milk		
08:25-08:30	Short Break		
08:30-10:00		Industry Symposium 3 <i>Not included in main program CME/CPD credit</i>	Industry Symposium 4 <i>Not included in main program CME/CPD credit</i>
10:00-10:30	Coffee Break, E-Posters Viewing & Exhibition Visit		
10:30-12:00	Parallel Session 2: <u>Vegan Diets in Infancy and Childhood</u>	(10:30-11:30) Oral Presentations Session 1: Neonatal & Prematurity I	(10:30-11:30) Oral Presentations Session 2: Obesity I
12:00-13:00	Lunch Break, E-Posters Viewing & Exhibition Visit		
12:15-13:45	Industry Symposium 5 <i>Not included in main program CME/CPD credit</i>	Industry Symposium 6 <i>Not included in main program CME/CPD credit</i>	
13:45-14:00	Break		
14:00-15:15	Plenary Session 3: <u>Yearbook</u>		
15:15-15:45	Coffee Break, E-Posters Viewing & Exhibition Visit		
15:45-17:15	Parallel Session 3: <u>Nutritional Status and Microbiome of the Short Child</u>	Parallel Session 4: <u>Nutrition for the Preterm Infant</u>	Oral Presentations Session 3: Childhood & Adolescence I
17:15-17:30	Break		
17:30-19:00	Plenary Session 4: <u>Sleep, Growth and Obesity: From Fetal Life to Adolescence</u>		

10TH INTERNATIONAL CONFERENCE ON NUTRITION & GROWTH

SATURDAY, 1 APRIL 2023

	Platinum Suite Room 1+2	Platinum Suite Room 3	Platinum Suite Room 4
08:30-10:00	Plenary Session 5: <u>Novel Foods</u>		
10:00-10:30	Coffee Break, E-Posters Viewing & Exhibition Visit		
10:30-12:00	Parallel Session 5: <u>Nutrition in the Management of Pediatric Inflammatory Bowel Disease</u>	Parallel Session 6: <u>Maternal Stress, Lactation and Effects on the Infant</u>	(10:30-11:30) Oral Presentations Session 4: Other
12:00-12:45	Lunch Break, E-Posters Viewing & Exhibition Visit		
12:45-13:45	Oral Presentations Session 5: Neonatal & Prematurity II	Oral Presentations Session 6: Obesity II	Oral Presentations Session 7: Infancy
13:45-14:00	Break		
14:00-15:30	Plenary Session 6: <u>Microbiome in Early Life</u>		
15:30-15:45	Closing Ceremony		

EP017 / #126

E-Poster Topic: AS01. Neonatal & Prematurity

IMPACT OF FREEZING AND PASTEURISATION ON ANTIOXIDATIVE ENZYMES IN MILK OF PRETERM INFANTS' MOTHERS

Vesna Marinkovic¹, Nikoleta Lugonja², Milos Jestic³, Vesna Hajdarpasic¹, Gordana Sekulovic¹
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Background and Aims:

Human milk (HM) feeding has an important role in prevention of oxydative stress in preterm infants. Human milk is a complex biological fluid with an antioxidative function. Antioxidative enzymes present in HM are superoxid dismutase (SOD), glutatione peroxidase (GSH-Px) and glutatione reductase (GR).

Evaluation of antioxidative enzymes (SOD, GSH-Px, GR) in HM after heat treatment, ie pasteurisation of donor HM previously freezed for 7 days in HM bank, using spectrophotometric methods.

Methods:

Cohort study enrolled 30 mothers of preterm neonates (birth before 37 weeks of gestational age) that established lactation. Antioxidative activity of enzymes in milk samples before and after the heat treatment was measured with spectrophotometric methods. Study protocol was approved by Ethical Comittee of Institute for neonatology, all mothers gave their written consent prior to participation.

Study was supported by Ministry of education, science and tehchnological development, Serbia.

Results:

SOD, GSH-Px and GR acitivity was significantly higher in fresh mature milk samples compared to mature, frozen for seven days and then pasteurised, milk of mothers of preterm infants ($p < 0,001$).

Conclusions:

Process of heat treatment and/or storage of mature milk of mothers of preterm infants reduce enzyme acitivity of HM, thereby decreasing total antioxidative capacity. This implies that it would be optimal to feed the preterm infants with fresh fortified HM whenever possible.

Committees

Meet the committees behind the N&G Conference

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N&G is a unique platform for discussing the interplay between nutrition and growth in children, from disease factors through to treatment. It is ideal for pediatricians, gastroenterologists, endocrinologists, neonatologists, dieticians, nutritionists, nurses and all those involved in child development.

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KEY DATES

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Early Registration Deadline – 17 January 2023

Abstract Submission Deadline: 30 November 2022

Conference Dates: 30 March - 1 April 2023

WARNING

There is an increasing number of fraudulent websites that impersonate N&G. Use only trusted online registration services.



Conference Organizer:

(<https://kenes-group.com>)

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