



# “Environmental hypertensiology”

the effects of seasonal changes  
on blood pressure and  
global risk

**April 21 2022**



# PROGRAM

9:00-9:15	<b>OPENING AND WELCOME</b>	<i>Vida Demarin, Davor Miličić</i>
9:15-9:30	<b>Introduction</b>	<i>Bojan Jelaković</i>
9:30-9:45	<b>From skepticism to the Nobel prize - research of climate changes</b>	<i>Mirko Orlić</i>
9:45-10:00	<b>Heat wave alarm in human health prevention</b>	<i>Lidija Srnec</i>
10:00-10:15	<b>Seasonal blood pressure variation</b>	<i>George Stergiou</i>
10:15-10:30	<b>Seasonal variation in mortality</b>	<i>Verica Kralj</i>
10:30-10:45	<b>Impact of weather and climate variables to COVID 19</b>	<i>Krunoslav Capak, Ranko Stevanović</i>
	<b>CHILDREN AND ADOLESCENTS</b>	<i>Chairs: Vesna Herceg Čavrak, Bernardica Valent Morić</i>
10:45-11:00	<b>Effects of climate on microvascular function in children</b>	<i>Ivana Jukić, Martina Kos</i>
11:00-11:15	<b>Influence of seasonal variation on blood pressure measurements in children, adolescents and young adults</b>	<i>Bernardica Valent Morić</i>
11:15-11:30	<b>BREAK</b>	



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## **BLOOD PRESSURE**

*Chairs:  
Ana Jelaković,  
Maja Čikeš,  
Jerko Barbić*

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11:30-11:45	<b>Meteorological parameters and BP in general population</b>	<i>Ana Jelaković</i>
11:45-12:00	<b>Relationship between seasonal variation in home blood pressure and cardiovascular events</b>	<i>Tajana Željковиć Vrkić</i>
12:00-12:15	<b>Seasonal variation in 24 h blood pressure profile</b>	<i>Marijana Živko</i>
12:15-12:45	<b>Seasonal variation in cardiovascular hemodynamics and blood pressure-regulating hormones</b>	<i>Maja Čikeš, Jerko Barbić</i>
12:45-13:00	<b>Seasonal variation as predictors of endothelium-dependent flow-mediated vasodilatation</b>	<i>Ines Drenjančević</i>
13:00-13:15	<b>Arterial stiffness and seasonal variability</b>	<i>Lana Gellineo</i>
13:15-13:30	<b>Seasonal variation in hypertensive emergency</b>	<i>Nikolina Bukal</i>
13:13-13:45	<b>Socioeconomic status and seasonal effect on blood pressure</b>	<i>Valerija Bralić Lang</i>

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13:45-14:30 **BREAK**

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## **CHRONIC KIDNEY DISEASE AND PREGNANCY**

*Chairs:  
Nikolina Bašić Jukić,  
Vedran Premužić,  
Živka Dika*

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14:30-14:45	<b>Seasonal variations of biochemical markers of kidney disease</b>	<i>Margareta Fištrek Prlić</i>
14:45-15:00	<b>Blood pressure seasonality in hemodialysis patients</b>	<i>Vedran Premužić</i>
15:00-15:15	<b>Seasonal variation of blood pressure in renal transplant recipients</b>	<i>Nikolina Bašić Jukić</i>
15:15-15:30	<b>Seasonality of hypertensive disorders of pregnancy</b>	<i>Živka Dika</i>

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## **METABOLIC CHANGES AND GLOBAL RISK**

*Chairs:  
Maja Baretić,  
Jelena Kos,  
Ivan Pećin*

15:30-15:45 **Seasonal fluctuations in body mass index** *Martina Matovinović*

15:45-16:00 **Seasonality of diabetes** *Maja Baretić*

16:00-16:15 **Effects of climatic factors on metabolic syndrome** *Ivan Pećin*

16:15-16:30 **Seasonal blood pressure variation: implications for cardiovascular risk stratification** *Jelena Kos*

16:30-16:45 **BREAK**

## **STROKE, HEART AND THERAPY**

*Chairs:  
Davor Miličić,  
Branko Malojčić,  
Josipa Josipović*

16:45-17:00 **Meteorological factors and seasonal stroke rates** *Branko Malojčić*

17:00-17:15 **Influence of seasons on acute myocardial infarction** *Martina Lovrić Benčić*

17:15-17:30 **Seasonality of sodium and potassium consumption** *Mihaela Marinović Glavić*

17:30-18:00 **Antihypertensive drugs and seasonal variation of blood pressure** *Josipa Josipović*

18:00-19:00 **DISCUSSION AND  
CONCLUSION** *Lidija Srnec,  
Marija Pujo Tadić,  
Maja Baretić,  
Bojan Jelaković*

