## 9th BALKAN CONGRESS OF CONGRES

\*\*\*

## Aseptic Process Validation of [<sup>18</sup>F]Fluorodeoxyglucose Production

Marija Atanasova Lazareva<sup>1</sup>, Katerina Kolevska<sup>1</sup>, Maja Chochevska<sup>1</sup>, Maja Velichkovska<sup>1</sup>, Filip Jolevski<sup>1</sup>, Ana Ugrinska<sup>1</sup>

-22

Vrdnik

Srbija

<sup>1</sup> University Institute of Positron Emission Tomography, Skopje, North Macedonia



## Results

$\frown$		Bi	oburden te	esting	Me	Media fill testing		
		1 batch	2 batch	3 batch	1 batch	2 batch	3 batch	
$\smile$	Bacterial Endotoxins IU/ml (<17,5)	<5	<5	<5,46	5	6,38	<5,91	
	Sterility samples	All samples were sterile						

Microbiological monitoring during aseptic validation											
	Settle plates (cfu/4 hours)				Glove print - 5 fingers (cfu/glove)						
	Positions	P3 (class B)	P5 (class A)	P11(class C)	FP1 (class B)	FP2 (class B)	FP3 (class A)	FP4 (class A)			
Batch No.	1 Bioburden	0	0	0	0	0	0	0			
	2 Bioburden	0	0	0	0	0	0	0			
	3 Bioburden	0	0	0	0	0	0	0			
	1 Media fill	0	0	0	0	0	0	0			
	2 Media fill	0	0	0	0	0	0	0			
	3 Media fill	0	0	0	0	0	0	0			

## Conclusion

The results of the operational process environmental monitoring (viable and non-viable) are within the criteria prescribed by EudraLex - Volume 4, Annex 1.

Aseptic Process Validation of [<sup>18</sup>F]FDG has been completed successfully. It has been proven that even in the worst-case scenario, there is no microbiological growth during the processes of synthesis and aseptic dispensing.