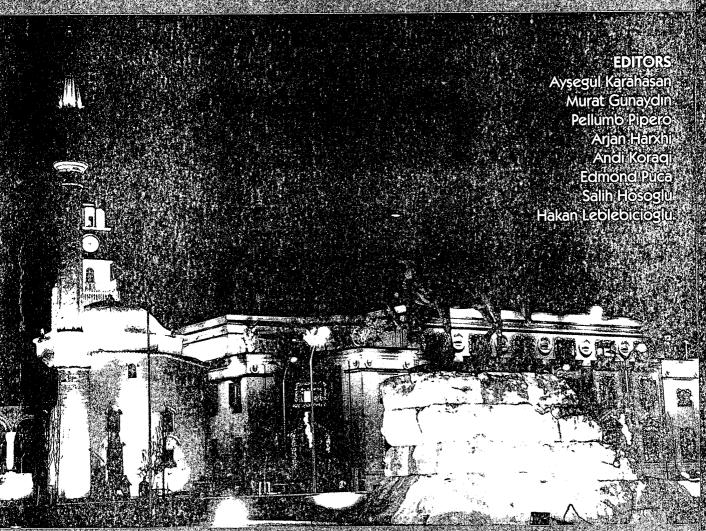


The 5th EURASIA CONGRESS OF INFECTIOUS DISEASES

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"Clinical Microbiology, Infectious Diseases, Immunology and Epidemiology



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Edmond Puca edmond_puca@yahoo.com

Organization



humanitas Cumhuriyet Cad. No: 105/7 Elmadag, Sisli Istanbul-Turkiye T: +90 212 247 29 49 F: +90 212 247 42 57

> eacid@humanitastour.com.tr www.eacid.org

Distribition of Invasive Device Associated Infections Rates and Device Utilization Ratios According in bibution of Intensive Care Units, 2008-2012

ICU	CL-U*	CLA-BSI*	UC-U*	CA-UTI*	MV-U*	VAP*
Anesthesia-Reanimation ICU	0.80	4.70	0.99	3.25	0.71	6.81
Emergency ICU	0.23	3.42	0.92	0.75	0.23	4.92
Respiratory ICU	0.27	8.87	0.04	3.58	0.33	17.33
Norology ICU	0.30	2.25	1.0	6.80	0.13	8.28
Total	0.40	4.5	0.96	3.59	0.33	8.9

ICU:Intensive care unit, CL-U*:Central line utilization rate=number of CL-days/Number of patient days, CLA-BSI*:Central line associated blood system infection rate5 per 1,000 central line-days, UC-U*:Urinary catheter utilization rate=number of UC days/Number of patient days, CA-UTI*:Catheter associated urinary system infection rates per 1,000 urinary catheter-days/NUW-:Mechanic ventilatory utilization ratio=MV -days/Number of patient days, VAP*:Ventilatory associated pneumoniae rates 1,000 ventilator-days



Seasonal Variation of Endemic Strains of Acinetobacter Baumanii Isolated from Intubated Surgical ICU patients

Katja Jovanovska Popovska¹, Milka Zdravkovska³, Milena Petrovska¹, Vesna Stojkova Dugagjin Osmani², Shaban Memeti², <u>Branka Petrovska²</u>

Institute of Microbiology and Parasitology, Medical Faculty, Skopje, R. Macedonia

Institute for Public Health of the Republic of Macedonia

³Faculty of Medical Sciences, Goce Delchev University, Stip, R. Macedonia

There are data for seasonal variation in Acinetobacter isolation rates, mostly connected with periods of high humbers though some strains can survive for long periods under dry conditions. There are lots of studies reported high income its isolation in late summer months as in early winter months.

The aim of this study was to recognize Acinetobacter baumannii seasonal variation in KARIL Skopje, in correlation local climate changes.

Laboratory data from computer software program were monitored on daily basis, in period from 2010 to 2012 257 strains of Acinetobacter baumannii isolated from cannulas and tubes were counted for monthly distribution year. Seasonal index was estimated and compared with the average humidity of the air and temperature changes average year temperature for city of Skopje is 12 OC and the average humidity of the air is 65,7% per year. The burden of the weather monthly mean temperature are in March (2,1 OC), October (1,1 OC) and December (1,1 OC) highest humidity of the air was estimated in winter (79,3%) and consequently in autumn, spring and summer climate parameters correspond with seasonal index of Acinetobacter baumanii for investigated 3 year period put the spring and winter to be the most critical seasons for acquisition of this microorganism. This can lead to conform undertaking stronger global and specific precautions in the hospitals for the mentioned seasons to prevent tion of Acinetobacter baumanii.

Keywords: Acinetobacter baumanii, seasonal variation, ICU