MEETING ABSTRACT

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Screening of vascular pathologies – evidence-based monitoring of prevention efficiency

Ulyana B Lushchik^{1*}, Viktor V Novytskyi¹, Igor P Babii², Lyudmyla S Riabets³, Oleg P Kolomyichuk⁴, Ivanna I Legka³

From EPMA-World Congress 2013

Brussels, Belgium. 20-21 September 2013

Scientific objectives

Some important aspects in evidence-based medicine have not been included in basic and applied research. The current level of examination of the cardiovascular system requires new analytical approaches for the prevention of cardiovascular diseases, insults and infarctions in people of different age, and diminishing of disability and mortality of vascular critical states.

Technological approaches

The technology of vascular screening enables not only to make accurate diagnoses but also to treat efficiently that reduces financial burden of a patient and his relatives. The medical technology will be useful in prophylactic and preventive medicine of the world for the health improvement of CVD patients.

Results interpretation

Regular vascular screening enables to perform diagnostics of microcirculatory disorders, to control efficiency of the therapy almost for every patient non-invasively (psychoneurological, therapeutic, angiological, endocrinological, and cancer neovascularization profiles for the assessment of congenital and acquired vascular anomalies) and during prophylactic examinations of healthy people who are under influence of external factors, resuscitation departments, insurance medicine and sports medicine.

Outlook and expert recommendations

The approaches to the analytical estimation of the vascular pipeline on macro- and microlevels allow newly considered problems in the blood supply for organs and systems in the human organism. It enables to estimate

the possibility of sanogenic reconstructions in the vascular bed on local, regional, and systemic levels, and the adequacy of such alterations according to the necessities of the ill organism.

Authors' details

¹Research Center Veritas, 31 Obolonska Str., of. 9, Kyiv, 04071, Ukraine. ²Clinic Victoria Veritas, 4 Williams Str., Kyiv, 03191, Ukraine. ³Center for Innovative Medical Technologies Veritas IT Med, 4 Williams Str., Kyiv, 03191, Ukraine. ⁴Institute for Mathematics of NAS of Ukraine, 3 Tereshchenkivska Str., 01601, Kyiv, Ukraine.

Published: 11 February 2014

References

1. Lushchik UB, Novytskyi VV: Polyvector dynamic diagnostics of the vascular systems. A modern innovative medical technology: from local examinations to integrative comprehension of the whole system. *Med Devices* 2008, **3**:64-67.
2. Shumilina MV: Disorders in cerebral venous circulation in patients with cardiovascular abnormalities. *Clin Phys Circ* 2004, **2**:44-53.
3. Lushchik UB, Novytskyi VV, Alexeyeva TS, Francevich KA, Branytska NS: Analytical aspects of an individual hemodynamic correction in the angioneurology. Kiev: Istyna; 2006, 130.
4. Aaslid R, Newell DW, Stooss R, Seiler RW, Reulen HJ: Evaluation of hemodynamic responses in head injury patients with transcranial Doppler monitoring. In *Acta Neurochir. Volume 139*. Wien; 1997:804-817.

doi:10.1186/1878-5085-5-S1-A91

Cite this article as: Lushchik et al.: Screening of vascular pathologies – evidence-based monitoring of prevention efficiency. *EPMA Journal* 2014 **5**(Suppl 1):A91.

* Correspondence: u.lushchik@gmail.com

¹Research Center Veritas, 31 Obolonska Str., of. 9, Kyiv, 04071, Ukraine
Full list of author information is available at the end of the article