

Dear Colleagues,

Good evening and thank you for your email.

My presentation will focus on the contribution of genetic to the development of Immersion Pulmonary Edema (IPE). IPE occurs during diving and swimming in some individuals with an approximate incidence of 1.1%. Considering that these individuals in normal conditions are mainly in a comparable good physical condition without any other comorbidities highlights the responsiveness and versatility of their body when exposed to environmental stresses. Genetic as the first line architect could shed light on this responsivity and versatility that due to condition/environment-dependent occurrence of IPE compared to other disorders such as congenital ones is understudied. According to the hemodynamic pathophysiology of IPE, the presentation will be on genetic polymorphisms that could affect the circulatory system. At the end, the audience will have information regarding some hemodynamic related genes, their structure, function, polymorphisms, risk alleles and their consequences that will deliver the translational message that how the genotype of an individual could increase the risk of developing IPE and further will contribute to establishment of a mentality that applying genetic screening before a doubtful condition could avoid serious problems.

Thank you.

Best Regards,

Amin Ravaei