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Biotechnology, Biomarkers & Systems Biology 2019: Personalized and Regeneration Medicine require a Coagulum-OMICs Model - James Andrew Henry - Atlantis BMS Limited

James Andrew Henry
Atlantis BMS Limited, UK

Background: In 2017, a program on patient blood management was posted to the National External Quality Assurance Scheme conference for hemostasis and thrombosis [1]. This subsequent coagulum-OMIC framework is a standard for predictive value within personalized and regeneration medicine. An OMIC model is a foresight by the author of this program to achieve OMIC flow [View Fig. 1.]. This model sustains the success of Coagulum-OMICS when supported with the ISO 9000 series. [2] [3] [4].

Study: ISO 9001 and 9004 are powerful tools to identify and define good practice in an OMIC model. ISO 9001 is a process based standard and an ideal standard for OMIC interfaces. The greater challenge in hemostasis and thrombosis is the end to end process involves several parts of healthcare under different clinical management or vendor arrangements. The flexibility of ISO 9004 makes it an ideal tool to access Coagulum-OMICs and sustain the success of personalized and regeneration medicine.

Program Development: A strategy for Research, Family, Organ and Acute Coagulum-OMICs commences biphasic policy objectives for genomics as a primary care with viscoelastic science, coagulum and platelet proteomics [Fig. 2]. Model OMIC development, resources, performance review and innovation, become learned. OMIC teams self-assess the Coagulum-OMICs to identify conformity with the model. A joint working group on quality assurance to manage or improve OMICs supports regional committees

Conclusion: A model for blood coagulum-OMICs is a benchmark to sustain excellence in the future of biological systems. The agility of Coagulum-OMICS to transverse primary and secondary care with genomic [pharma] pre-exams and viscoelastic or proteomic exams makes it a perfect learning initiative, self-assessment tool and governance program. The caveat is a need for expertise to sustain the success of coagulum-OMICs, in situ, with personalized and regeneration medicine.

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