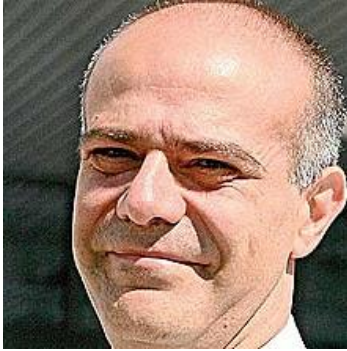


Biobone Symposium

13-15 October 2015 - Santiago de Compostela, Spain



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A translational talk on the mind-squeezing topics of spine surgery: the surgeon's view. What are my expectations on your research?

Abstract: Pseudoarthrosis: biological outcome of a biological failure, sometimes influenced by mechanics. Role of BMPs and beyond. Junctional problems: what happens at both ends of a spinal arthrodesis, up and down there, where the fused area meets the mobile spine?

Role of mechanics: materials, stress shielding, sagittal profile (anatomical variable), anterior column support...; and role of biology: muscles, surgical dissection of soft tissues, bone progenitor cells, factors at play. Infection: race for the surface, role of implants (types of surface or material), electrostatic milieu, biofilm, antibiotics. The legend of the pore and bone & tissue ingrowth. Bone cements: are biological cements a myth?