

BIODEGRADABLE MATERIALS: OUR CURRENT STUDIES WITH THE INDUSTRY

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Biodegradable materials have been intensively investigated for potential uses in diverse orthopaedic applications. In our lab, located in Hacettepe University, we also look for better alternatives for clinics, starting from the materials synthesis in bench side. We report here the outcomes of our recent efforts from a decade-long collaborative studies with an industry partner in the search for manufacturing of class-III medical devices in Turkey with a sneak peek to the ongoing studies in the lab. The scope will include the exploitation of an elastomer in several soft tissue applications, composite range biomaterials for hard tissue repair, novel decellularization protocols in order to obtain preserved ECM structures, and finally examples from other TE studies aimed for the regeneration of different musculoskeletal conditions.