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Presentation Date:	Thursday, 10 May 2018 11:00 AM - 12:00 PM & 4:00 PM - 5:00 PM
Venue	SMX CONVENTION CENTER, MANILA, Meeting Rooms 7, 8 & 9
Presentation Title:	APPLICATION OF VARIOUS ARTIFICIAL BONES IN BONE AUGMENTATION FOR DENTAL IMPLANTS
	<p>In oral and maxillofacial surgery, several artificial materials such as hydroxyapatite, β-tricalcium phosphate and collagen have been used for jaw bone regeneration. In bone augmentation for dental implants, the operator selects various surgical procedures and uses various bone artificial materials. Depending on a case, it is necessary to examine state of the existing bone, having smoking or not, having whole body disease or not. It is difficult to show the direction for uses of the artificial bone uniformly. However, I want to talk about the difference between autogenous bone and various artificial bone in our bone augmentation of each case. And I will indicate how we deal with complications. Furthermore, a new porous hydroxyapatite-collagen composite (HAp / Col) has been approved in the medical field in Japan since 2013. HAp/Col is a bioresorbable bone substitute composed of HAp and type 1 collagen. It is composed of collagen fibers and HAp nanocrystals deposited on the fibers, and the nanostructure resembles that of natural bone. The characterization of the material is sponge-like elasticity, excellent operability and compatibility with bone defects. In this presentation, I will introduce the effects of a new hybrid implant with porous HAp/col composite.</p>