

Abstract Submitted
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Study on the Prevention for the Adhesion Using the Atmospheric-Pressure Plasma HAJIME SAKAKITA, YUZURU IKEHARA, National Institute of Advanced Industrial Science and Technology (AIST) — We have been studied new method to suppress the adhesion inflammation after the surgical operation. Typically, electrical fulguration has been used to coagulate the blood bleeding. However, this type of hemostatic method has possibilities to induce severe adhesion after the operation. To suppress the adhesion is one of the important issues on the medical care. We have been studied the hemostatic method using the atmospheric pressure plasma. It was already confirmed that our method to stop bleeding is very effective from the view point of immediate coagulation, controllability, and control of tissue damages. Now we have been adopted our plasma to study the influence on the cells against the adhesion. Experimental methods and results will be presented in detail at the conference.

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