عنوان فارسی مقاله:
مرگ سلول‌های سرطانی ریه الکا شده توسط میکروپلاسمای سرد مبتنی بر فیبر نوری انعطاف‌پذیر

عنوان انگلیسی مقاله:
Apoptosis of lung carcinoma cells induced by a flexible optical fiber-based cold microplasma
4. Conclusions

Flexible cold microplasma jet devices based on hollow-core glass optical fiber have been proposed for enhanced selective cell targeting. Despite the small inner diameter and the low gas flow rate of the microplasma jet devices, none of the microplasma jets induced necrosis but did induce apoptosis in both cultured mouse lung carcinoma and fibroblast cells. The TC-1 tumor cells were found to be more sensitive to these plasma treatments than murine fibroblast cells under all plasma dose conditions tested. The flexible microplasma jet devices can be employed for microplasma cancer endoscopy and potentially offers a more comfortable therapy method.