

OncoTherapy Science, Inc.

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Announcement of research collaboration between OTS's subsidiary company, SECOM Medical System Co., Ltd., and Yotsuya Medical Cube to accelerate the Cancer Precision Medicine

OncoTherapy Science, Inc. (OTS) hereby announces that, aiming to accelerate the Cancer Precision Medicine, one of its subsidiary companies, Cancer Precision Medicine, Inc. (CPM) has agreed on a research collaboration with SECOM Medical System Co., Ltd. and Yotsuya Medical Cube (an affiliated hospital for the SECOM Health Care Club KENKO) about liquid biopsy (\*1) study for the early detection of cancer.

In recent years, there are increasing expectations for the applications of liquid biopsy in the early diagnosis of cancer and monitoring of recurrence. This collaborative research aims to analyze cancer-related gene mutations by DNA sequencing analysis using blood samples from healthy people who are undergoing cancer screening, and will assess the possibility of clinical application of liquid biopsy in the early detection of cancer. After completion of this collaborative research, the liquid biopsy will be applied in the cancer screening examination at Yotsuya Medical Cube, and moreover it is expected to allow a broad collaboration with SECOM Medical System Co., Ltd. to accelerate the Cancer Precision Medicine.

(\*1) liquid biopsy

Cancer is a genetic disease with accumulation of genetic alterations. Recent advances in the next-generation DNA sequencing technologies have enabled to detect the presence of cancer in patient, by analyzing liquid specimens like blood and urine. This kind of approach is called as "liquid biopsy" which can detect mutated ctDNA with very high sensitivity. One of useful clinical applications of the liquid biopsy is very early detection of tumor recurrence, which may detect even earlier than tumor imaging examination like CT (Computed Tomography). Moreover, liquid biopsy is a non-invasive and safe method than collection of tumor tissue, and can be performed repeatedly.