Dear editor Ronald Myers,

I enclose the manuscript entitled “**Orthotopic Injection of Breast Cancer Cells into Mice Mammary Fat Pad**”, for possible publication in Journal of Visualized Experiments, with authors as **Gan-lin Zhang, Yi Zhang, Ke-xin Cao, Xiao-min Wang**. Gan-lin Zhang and me will be the correspondence authors. All of the authors agree to the submission of this paper. The manuscript was prepared according to the journal’s instructions to authors, and all required supporting documentations are attached.

Murine cancer models are good bridges between preclinical and clinical studies, and a good mimic murine disease model will increase the accuracy of research on disease and medicine. For breast cancer, orthotopic disease models with proper mammary fat pad environment play irreplaceable roles in understanding diseases and screening for potential medicines. In this article, we describe how to implant breast cancer cells into mammary fat pad in a simple, less invasive and easy-handle way, and follow the metastasis to distant organs.

There are few articles using orthotopiciInjection, however their orthotopic injection need surgery near mammary fat pad which has risk to bias research results. While in our technology there is no surgery, this is the big difference and advantage of our method.

We thank you for considering this work and look forward to your response. Please direct all correspondence about this manuscript to me or Dr. Gan-Lin Zhang, e-amil: [kalinezhang@163.com](mailto:kalinezhang@163.com).

Sincerely,

Xiao-Min Wang

2018.6.10