

**Organizers: Yuji Yoshiyama (Kyoritsu University of Pharmacy)
Tsutomu Kotegawa (Oita Medical University)**

In this symposium, we will discuss an approach to advances in biostatistics in pharmacy. The objective of this symposium is to understand the necessity for a basic knowledge of biostatistics in the provision of pharmaceutical care. There will be five presentations: "Statistical Reexamination of Case Studies" by Dr. Masashi Goto (Osaka University), "Pharmacy and Statistics" by Dr. Shigehiro Ohdo (Kyushu University), "Practical Application of Statistics to Clinical Pharmacology" by Dr. Yuji Kumagai (Kitasato University), "How to Introduce Statistical Flow into the Profession of Pharmacist" by Dr. Kenjiro Koga (Hokuriku University), and "Is 'Statistically Significant' Significant?" by Dr. Naoki Nago (Yokosuka General Hospital Uwamachi). Dr. Goto will introduce some examples extracted from well-known reports in the literature in which more useful results are obtained through his reanalysis, reexamination, and reinvestigation than through the methods used in the literature. How can we incorporate knowledge of biostatistics into pharmaceutical care when we evaluate the biomedical literature? We hope that this symposium will help pharmacists to incorporate the information gained from reported research in clinical practice.