

Human Resource Development of Clinicians and Laboratory Technologists for Blood Morphology Testing in Mongolia

● **Background**

In Mongolia, they have been attempting to execute the diagnosis and treatment of hematopoietic malignancies all in their own country. However, securing a human resource in this field has been a major issue. Also, medical staff in Mongolia had little opportunity to receive sufficient education in this field, both of which would be the reason why the number of the patients who are diagnosed with hematopoietic malignancies including leukemia has not been increased. Based on these backgrounds, the Japanese Society for Laboratory Hematology has been working on a training project related to hematopoietic disease diagnosis since 2019. In response to the request from the partner country, this project will be continued in this year, and we will develop a support project to further improve the technology of their country and to introduce Japanese advanced equipment and reagents.

● **Outline**

In this project, medical doctors and laboratory technologists being selected from the Mongolian association of health laboratorians and the Hematology Department of the National First Hospital will receive our education mainly through on-line program. In addition, by collaborating with the responsible organizations in both countries, a manual on the diagnosis of hematopoietic diseases will be published in Mongolia, thereby widely improving the diagnostic ability in their country. In addition, in collaboration with Sysmex, the leading hematology-related company in Japan, we will provide technology for promoting the introduction of Japanese equipment/reagents and appropriate equipment management.

● **Outcome**

We will train a total of 20 medical staffs who can carry out blood cell morphology examinations, so that institutions at which they belong become being able to execute diagnosis of hematopoietic malignancies. We will confirm that the institutes at which the trainees belong to are able to perform blood smear testing within one year. In addition, by preparing a guidebook they refer to, we will continuously improve their ability to diagnose hematopoietic diseases in their country. We also aim to significantly increase the numbers of patients referred to the Department of Hematology, National First Hospital.

