The 11th Nagoya International Blood and Marrow Transplantation Symposium

 $\sim$  Application of MSCs to HSCT  $\sim$ 

May 13 (Sat), 2017

WINK AICHI, Nagoya JAPAN

Organized by Nagoya Blood and Marrow Transplantation Group Yakult Honsha Co., Ltd. JCR Pharmaceuticals Co., Ltd.

### Welcome Message



On behalf of the Organizing Committee of the 11th Nagoya International Blood and Marrow Transplantation (BMT) Symposium, I would like to welcome all participants in Nagoya. This symposium was jointly organized by Nagoya BMT Group, Yakult Honsha Company and JCR Pharmaceuticals Company in order to provide an international forum for exchanging the up-to-date information and experiences.

Hematopoietic stem cell transplantation (HSCT), a cure-oriented medical technology to intractable diseases, continues increasing in numbers in all the regions classified by WHO, namely Europe, America, South-West Pacific, East Mediterranean, and Africa. The outcomes of patients after the transplantation are also improving in both hematological and non-hematological diseases. Nevertheless it is also true that its advances have become a little bit slow down in the past decade and the certain break-through has been desired. Recently new medical products of human origin have been developed. We expect the harmonization between HSCT and these newly developed medical products would open the gate to new era for HSCT.

This symposium is organized to focus on mesenchymal stromal cell (MSC), which is one of the symbolic new faces to the field of HSCT and is expected to bring certain break-through for this field. We are happy that internationally prominent investigator, Dr. Behnam Sadeghi from Karolinska Institute as well as active domestic investigators participate in this program. We expect that all the participants could get fruitful results after the symposium and also hope that this symposium would offer a good opportunity to exchange information regarding to other topics as well as to create real friendships among the participants.

May 13, 2017

Boghichisa Kadowa

Yoshihisa Kodera

# Symposium Committees

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## Scientific Program

	Overall Host: Yukiyasu Ozawa (Japanese Red Cross Nagoya First Hospital, Japan)
11:30-12:30	Open / Registration (Lunch will be provided.)
12:30-12:35	Opening Remarks: <b>Yoshihisa Kodera (Aichi Medical University, Japan)</b>

#### Keynote Address (65min)

Chairperson: Shinichiro Okamoto (Keio University, Japan)

12:35-13:40 "Safety and efficacy of placenta derived decidua stromal cells (DSCs) in experimental studies and clinical settings" (50min+15min) Behnam Sadeghi (Karolinska Institutet, Sweden)

13:40-14:00 Intermission (20min)

Workshop	[Optimization of GVHD treatment with MSCs] (60min)
<u>Chairperson:</u>	<u>Takahiro Fukuda (National Cancer Center, Japan)</u> Makoto Murata (Nagoya University, Japan)
14:00-14:20	"The timing to use MSC for steroid-refractory GVHD; $2^{nd}$ line or $\geq 3^{rd}$ line treatment?" (15min+5min)
	Masaya Okada (Hyogo College of Medicine, Japan)
14:20-14:40	"Should we use MSC by 8 doses? ~lessons from an ATL case~" (15min+5min) Yasuo Mori (Kyusyu University Hospital, Japan)
14:40-15:00	"The potential of MSC infusion for the treatment of transplant-associated microangiopathy
	after hematopoietic stem cell transplantation" (15min+5min)

#### Takanobu Morishita (Japanese Red Cross Nagoya First Hospital, Japan)

15:00-15:20 Intermission (20min)

### Topics [Expansion of MSC application] (65min)

Chairperson: Yoshinobu Kanda (Jichi Medical University, Japan)

15:20-15:45 "Phase I study of cord blood transplantation with intra-bone marrow injection

of mesenchymal stem cells" (20min+5min)

#### Tatsunori Goto (Nagoya University Hospital, Japan)

15:45-16:25 "Ex vivo expanded allogeneic mesenchymal stem cells with bone marrow transplantation improved osteogenesis in patients with severe hypophosphatasia" (35min+5min) Takeshi Taketani (Shimane University, Japan)

16:25-16:30 Closing Remarks: Yoshiyuki Takahashi (Nagoya University, Japan)