## **SUPPLEMENT**

## Histologic Grading of Skin GVHD

- Grade 1: Vacuolar alteration of the basal layer
- Grade 2: Keratinocyte apoptosis, lymphocytic infiltration of dermo-epidermal layer
- Grade 3: Dermo-epidermal separation and vesicle formation.
- Grade 4: Necrosis and denudation of epidermis

## Histologic grading of Gastrointestinal GVHD

- Grade 1: Isolated apoptosis of crypt epithelium
- Grade 2: Lost of crypt epithelial cells
- Grade 3: Multiple crypt loss with focal necrosis
- Grade 4: Extensive crypt loss with diffuse mucosal necrosis