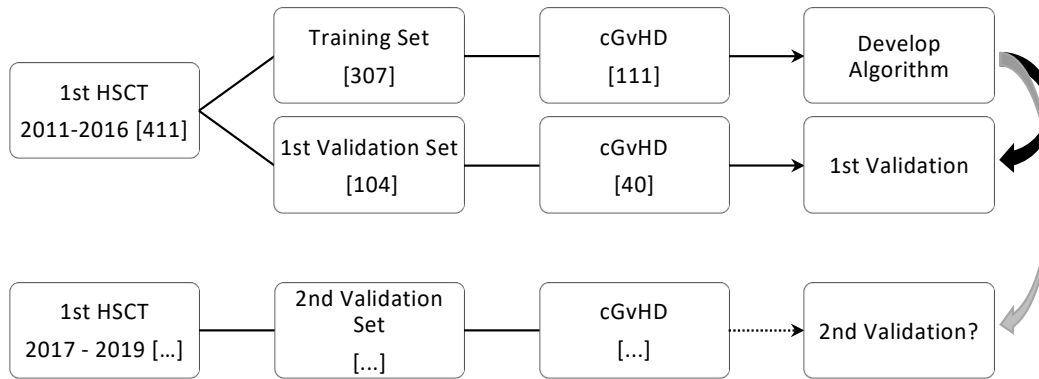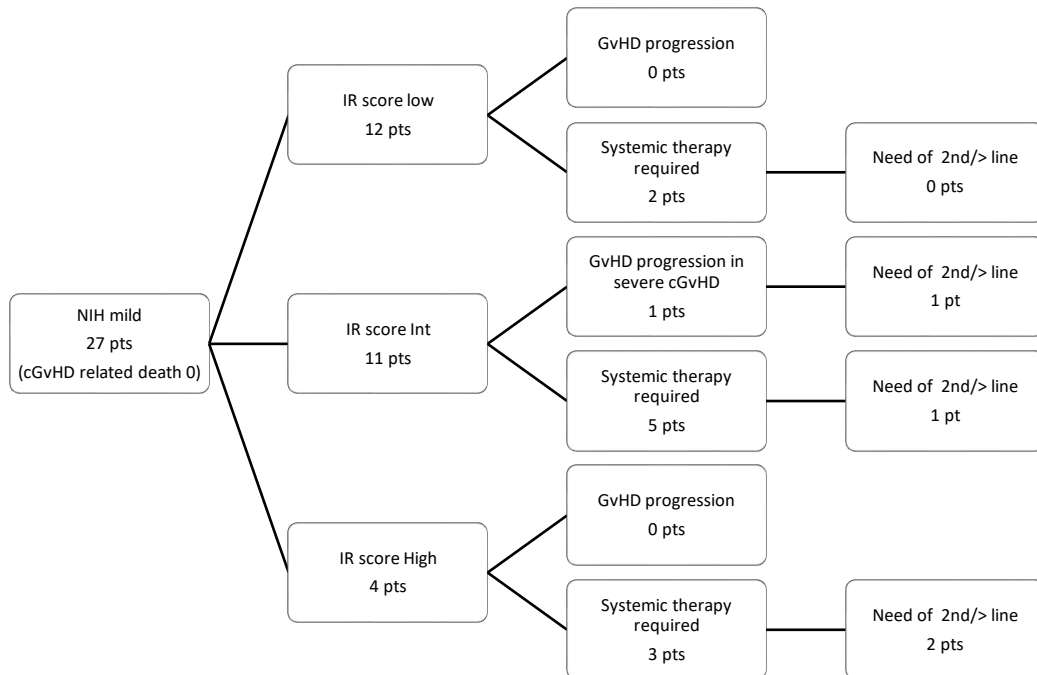# Supplementary Material
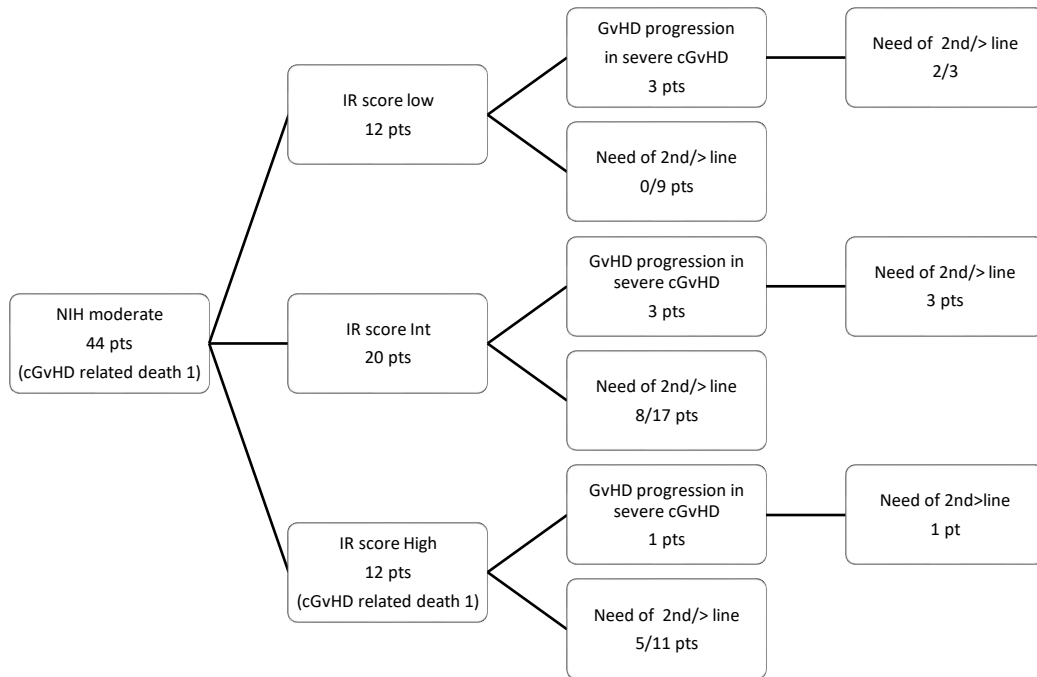
Supplementary Figure 1 - Scheme of algorithm development and validation
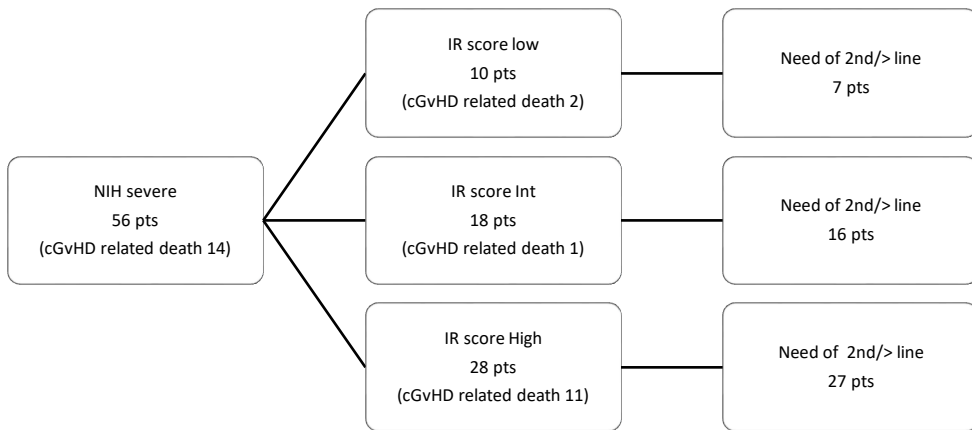
Supplementary Figure 2 – Stratification of patients (training cohort + validation cohort) according to NIH consensus and IR score risk. Panel A patients classified with mild NIH cGvHD. Panel B patients classified with moderate NIH cGvHD. Panel C patients classified with severe NIH cGvHD.

A

B

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                              ┌─────────────────────────┐        ┌─────────────────────────┐
                              │      IR score low        │        │    Need of 2nd/> line    │
                         ┌────│        10 pts            │────────│          7 pts           │
                         │    │  (cGvHD related death 2) │        │                          │
                         │    └─────────────────────────┘        └─────────────────────────┘
┌─────────────────────────┐   ┌─────────────────────────┐        ┌─────────────────────────┐
│       NIH severe         │   │      IR score Int        │        │    Need of 2nd/> line    │
│         56 pts           │───│        18 pts            │────────│          16 pts          │
│ (cGvHD related death 14) │   │  (cGvHD related death 1) │        │                          │
└─────────────────────────┘   └─────────────────────────┘        └─────────────────────────┘
                         │    ┌─────────────────────────┐        ┌─────────────────────────┐
                         │    │      IR score High       │        │    Need of  2nd/> line   │
                         └────│        28 pts            │────────│          27 pts          │
                              │ (cGvHD related death 11) │        │                          │
                              └─────────────────────────┘        └─────────────────────────┘

     C
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