

SOHC Causes of death in 5- and 10-year survivors after allogeneic hematopoietic cell transplantation.

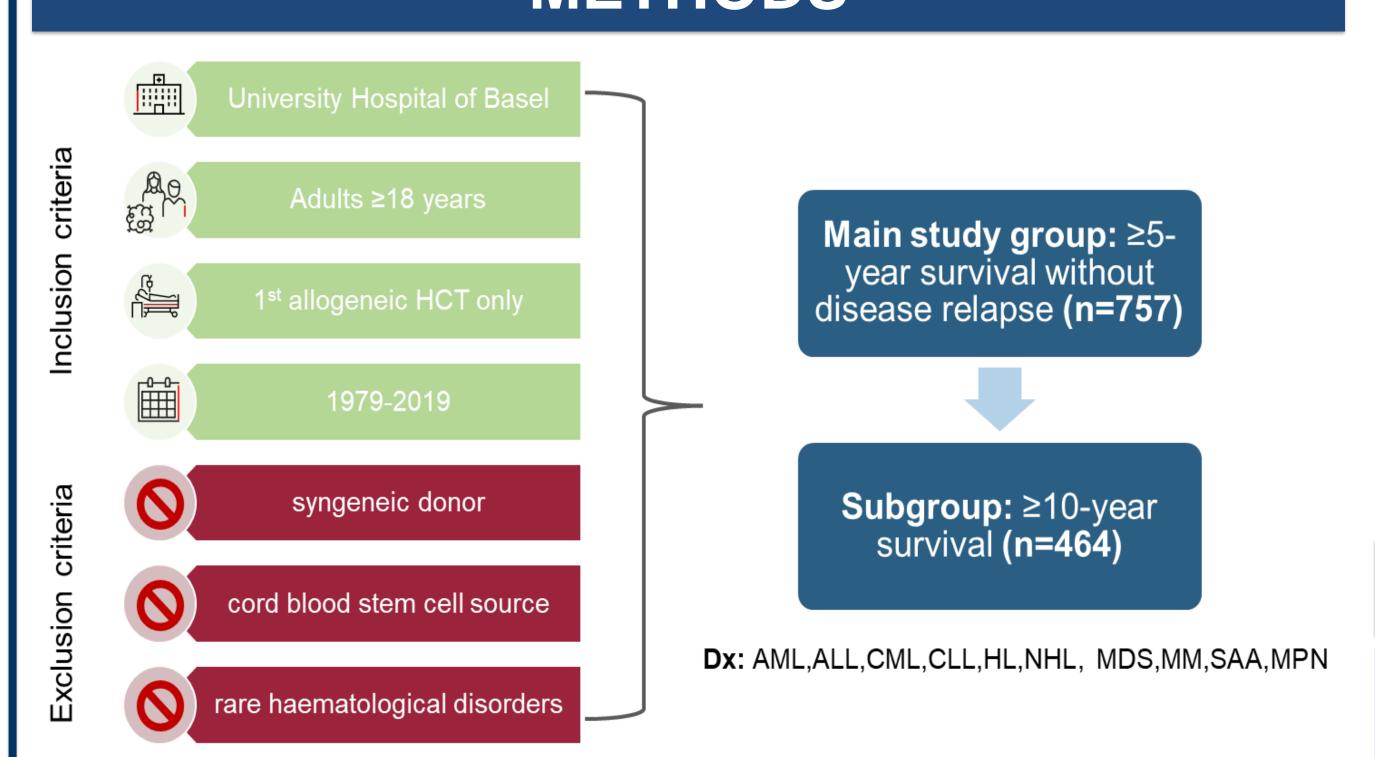
Clinical hemato-oncology

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INTRODUCTION

- Allogeneic hematopoietic cell transplantation (allo-HCT) can be curative for malignant and benign hematological diseases
- Data on long-term outcomes of long-term survivors are limited
- There is a growing population of survivors
- Aim: Identify predictors of mortality among survivors at ≥5 and ≥10 years after allo-HCT

METHODS



Analysis:

- Kaplan–Meier methods: Overall survival (OS)
- Multivariable Cox regression: Predictors of including age, conditioning, donor type, stem cell source, and chronic graftversus-host disease (cGvHD)

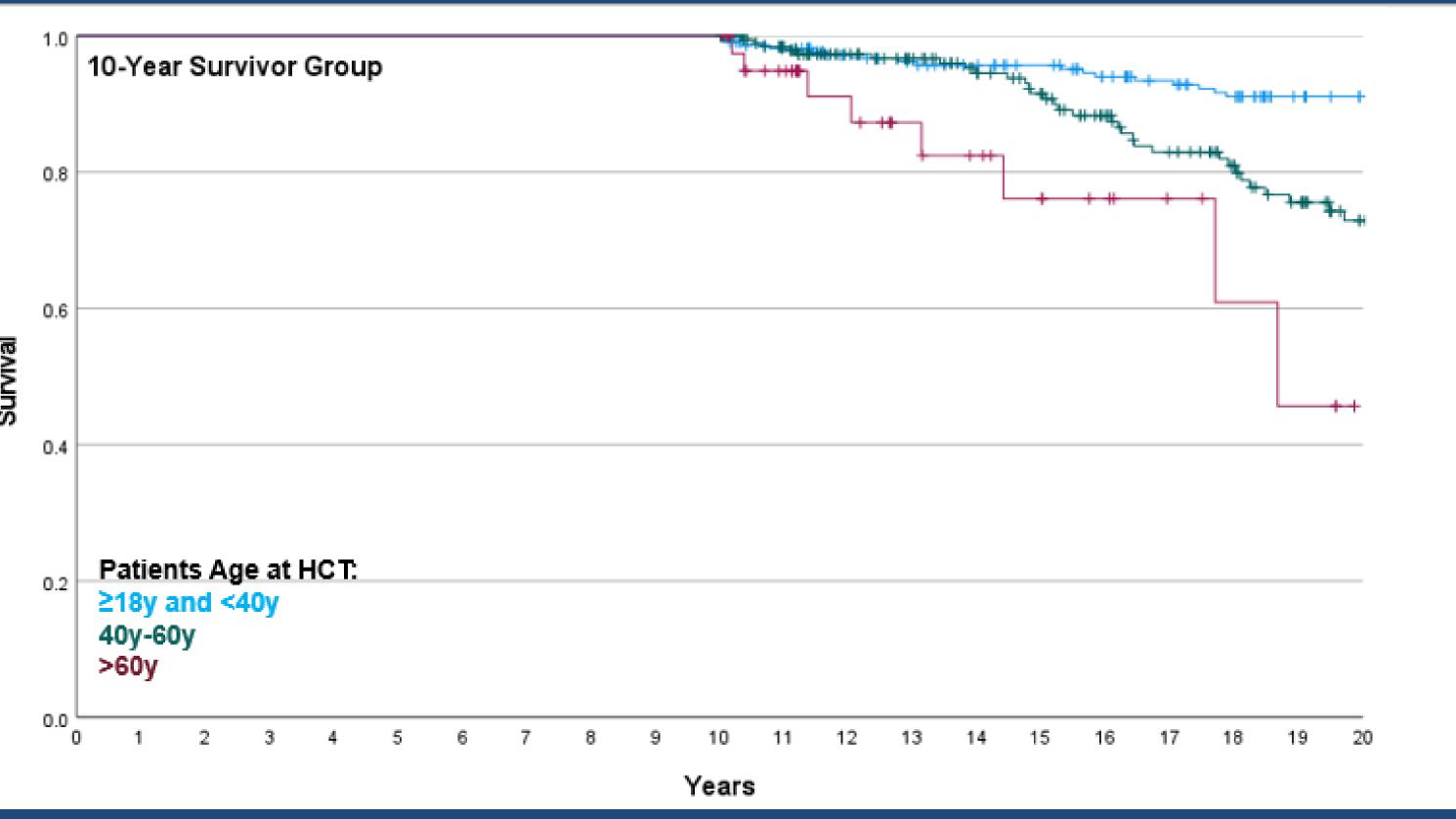
CONCLUSION

- Long-term survival after allo-HCT is favorable
- Age and severe cGvHD drive late mortality
- Non-relapse causes dominate over time
- Lifelong survivorship program is essential

RESULTS

- Median follow-up:11.9 years
- 20y OS in ≥5-year survivors: 74%
- 20y OS in ≥10-year survivors: 83%
- Relapse-free survival: > 75% in both survival groups.

Overall survival by patients age at HCT 5-Year Survivor Group Patients Age at HCT: ≥18y and <40y 40y-60y



Predictors of late mortality

Variable	≥5-Year Survivors HR	≥10-Year Survivors HR
Age at HCT		
≥ 18 and < 40	1	1
40-60	2.5	3.3
>60	2.1	6.9
cGvHD		
None	1	1
Mild or limited	0.9	0.9
Moderate	0.5	0.7
Severe or extensive	1.9	1.8
Conditioning		
regimen		
Myeloablative	1	—
Nonmyeloablative/ Reduced intensity	1.7	

Shifts in the causes of death

