



UniversitätsKlinikum Heidelberg

Allogene Stammzelltransplantation: Jahresbericht 2013

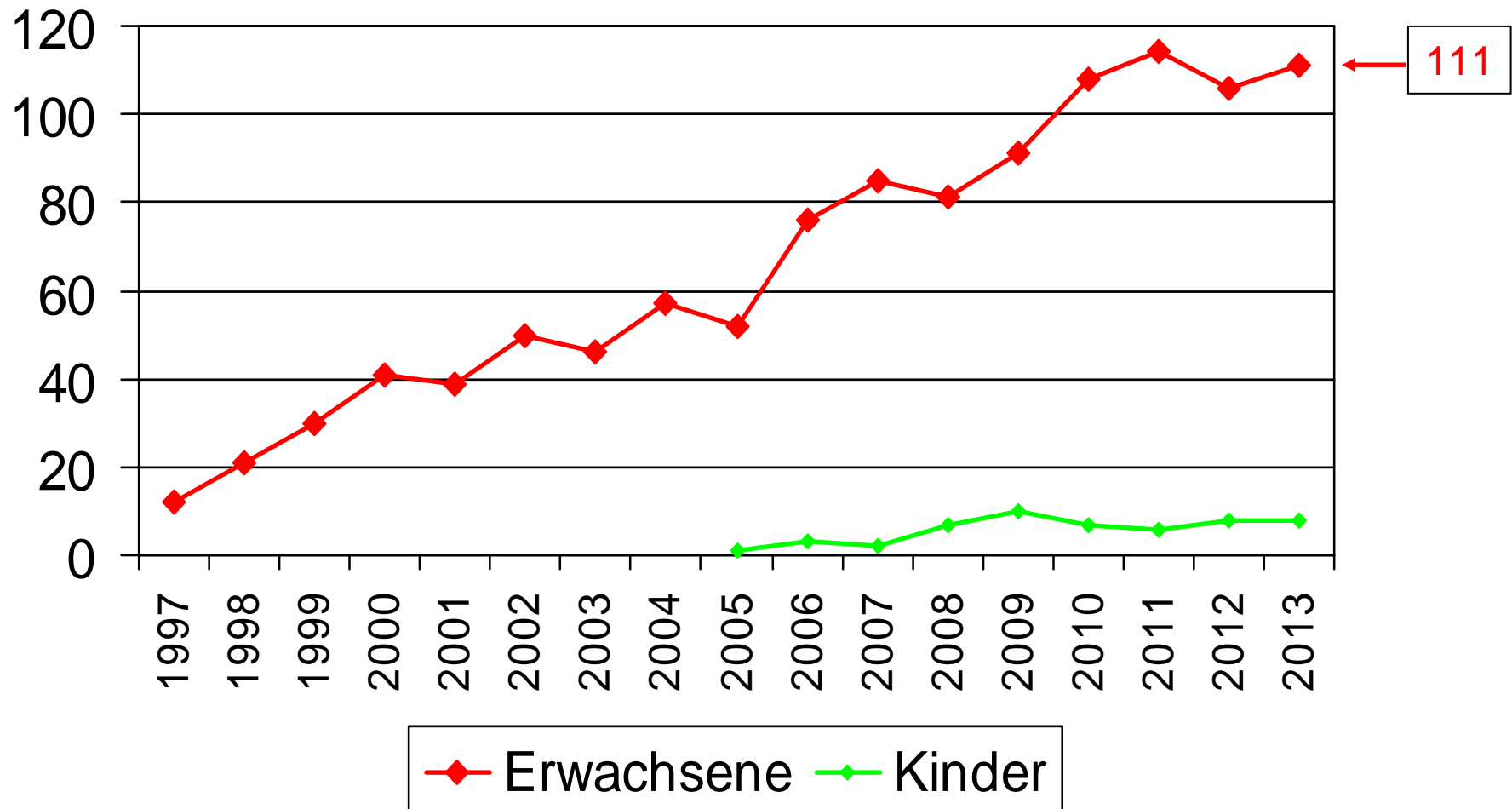
Sektion Stammzelltransplantation
Abteilung Innere Medizin V
Universitätsklinikum Heidelberg

17.02.2014

Zahlen

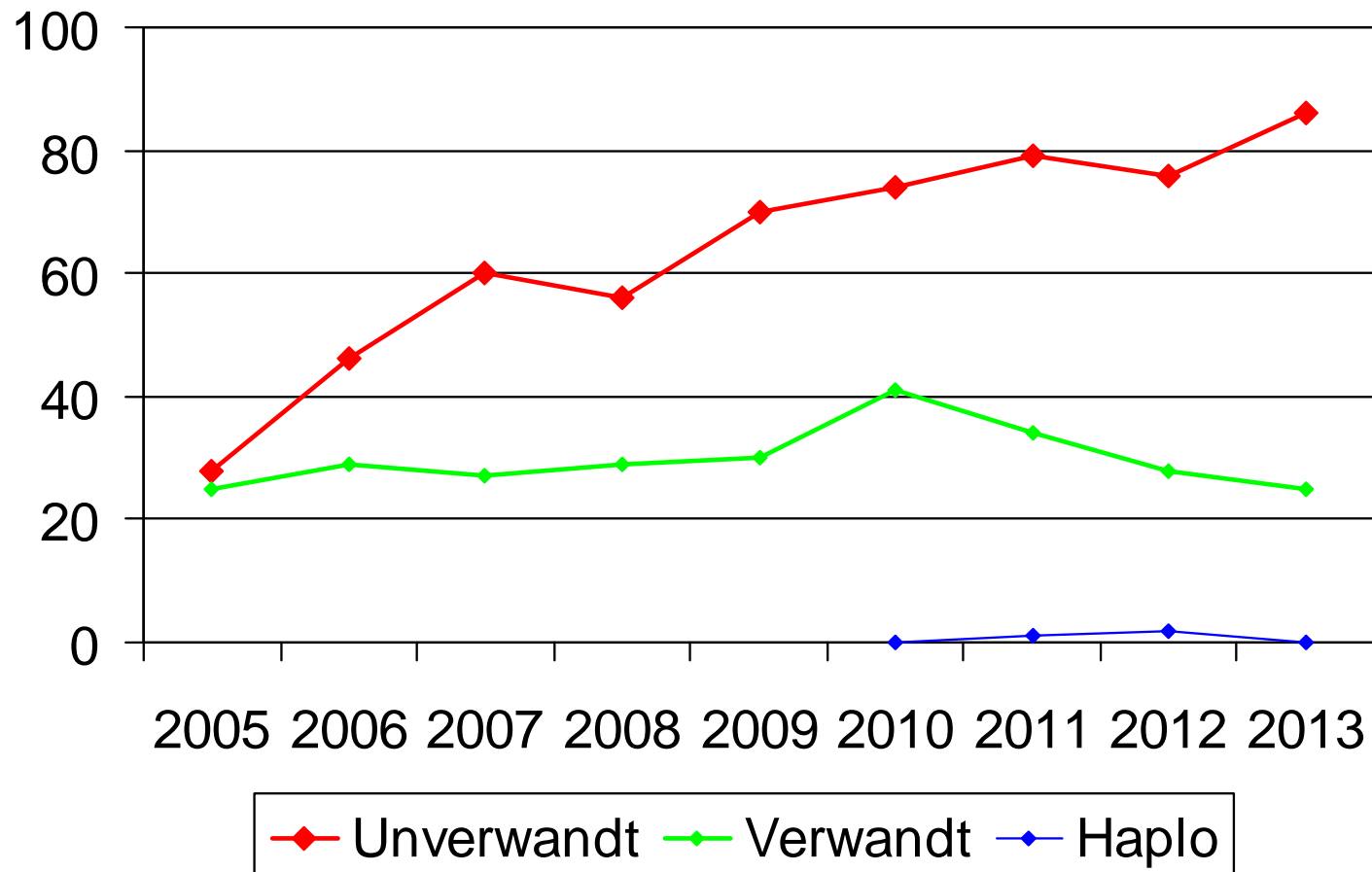


HD: allogene Transplantationszahlen



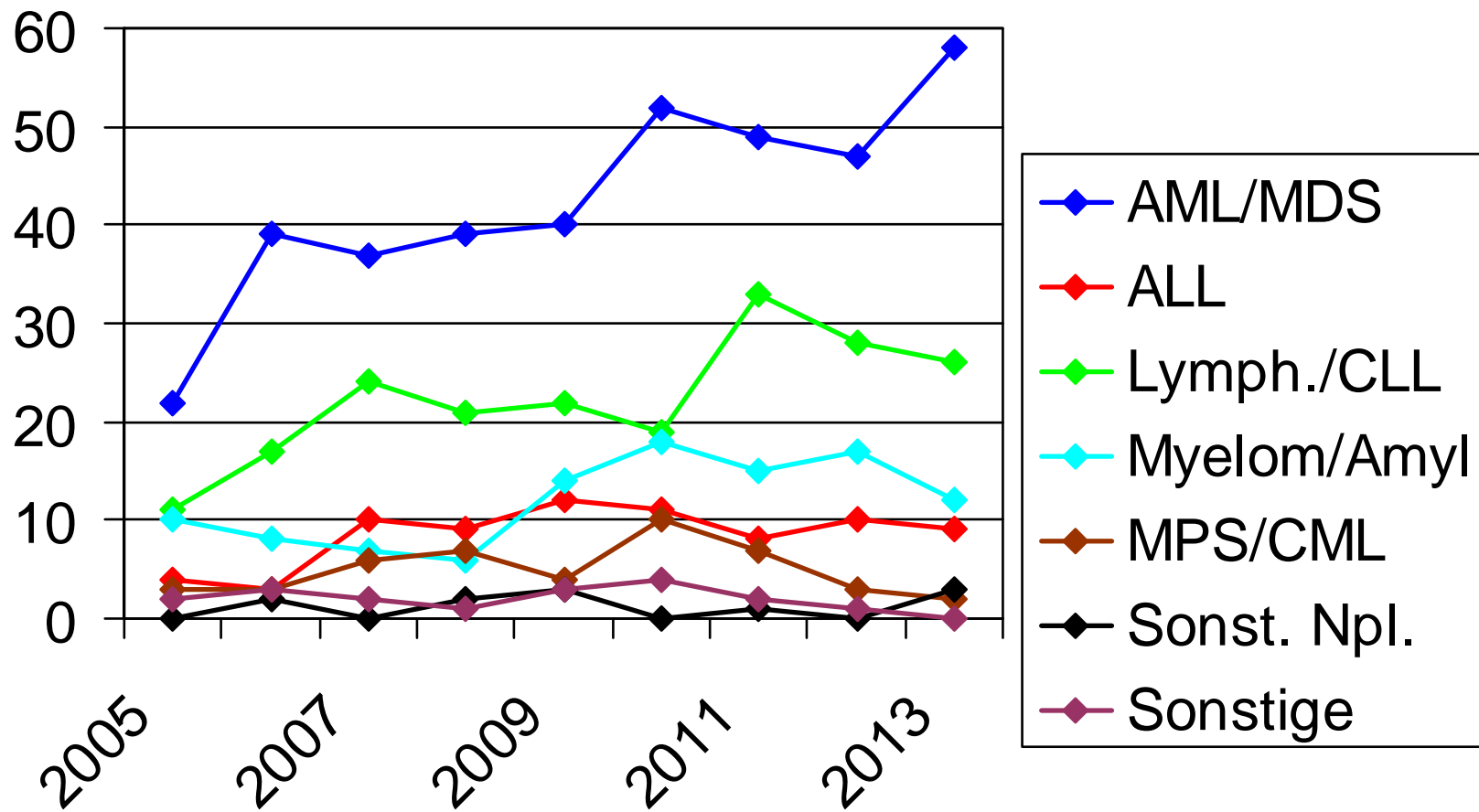


HD: Spender 2005-2013





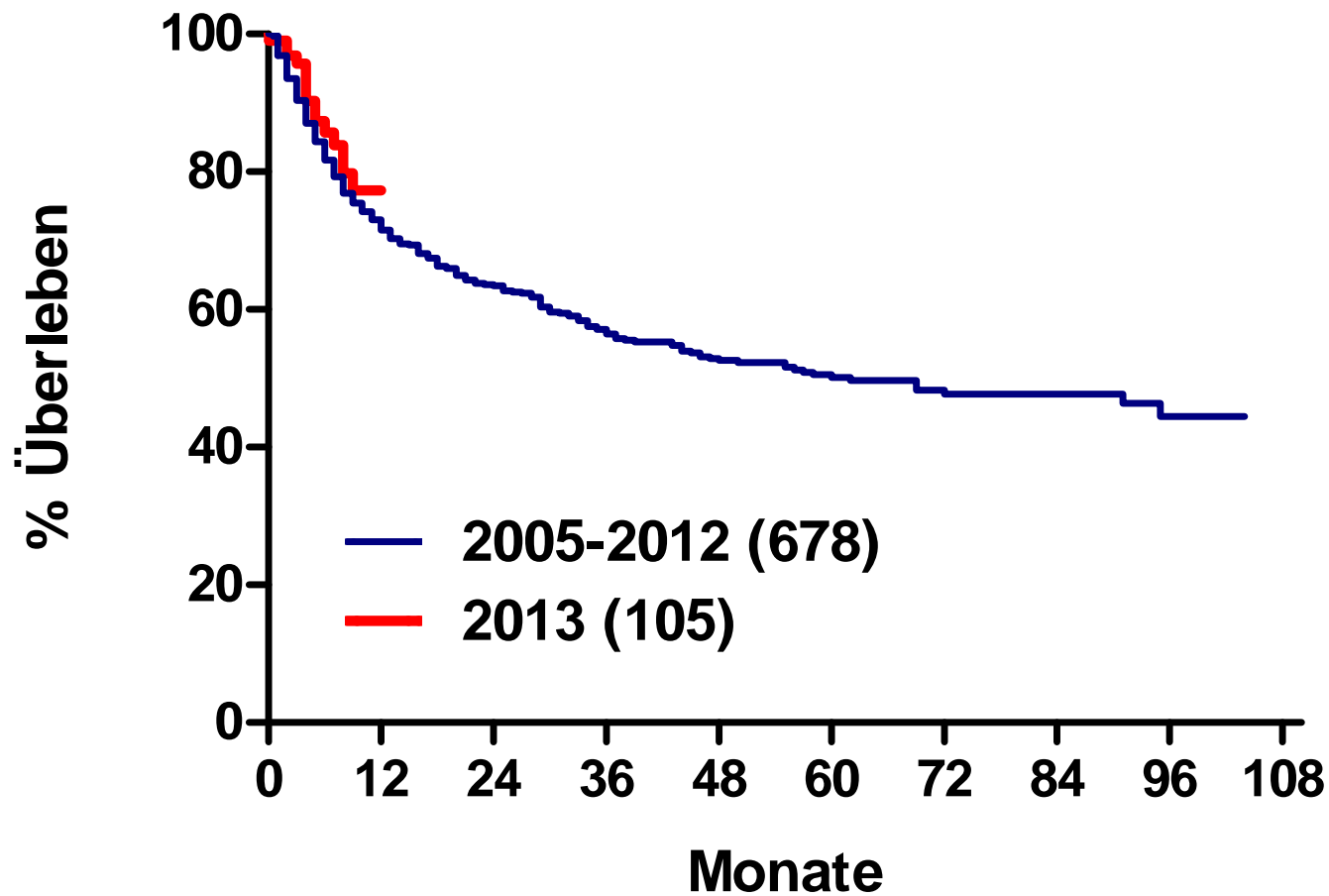
HD: Indikationen 2005-2013



Qualitätsanalysen

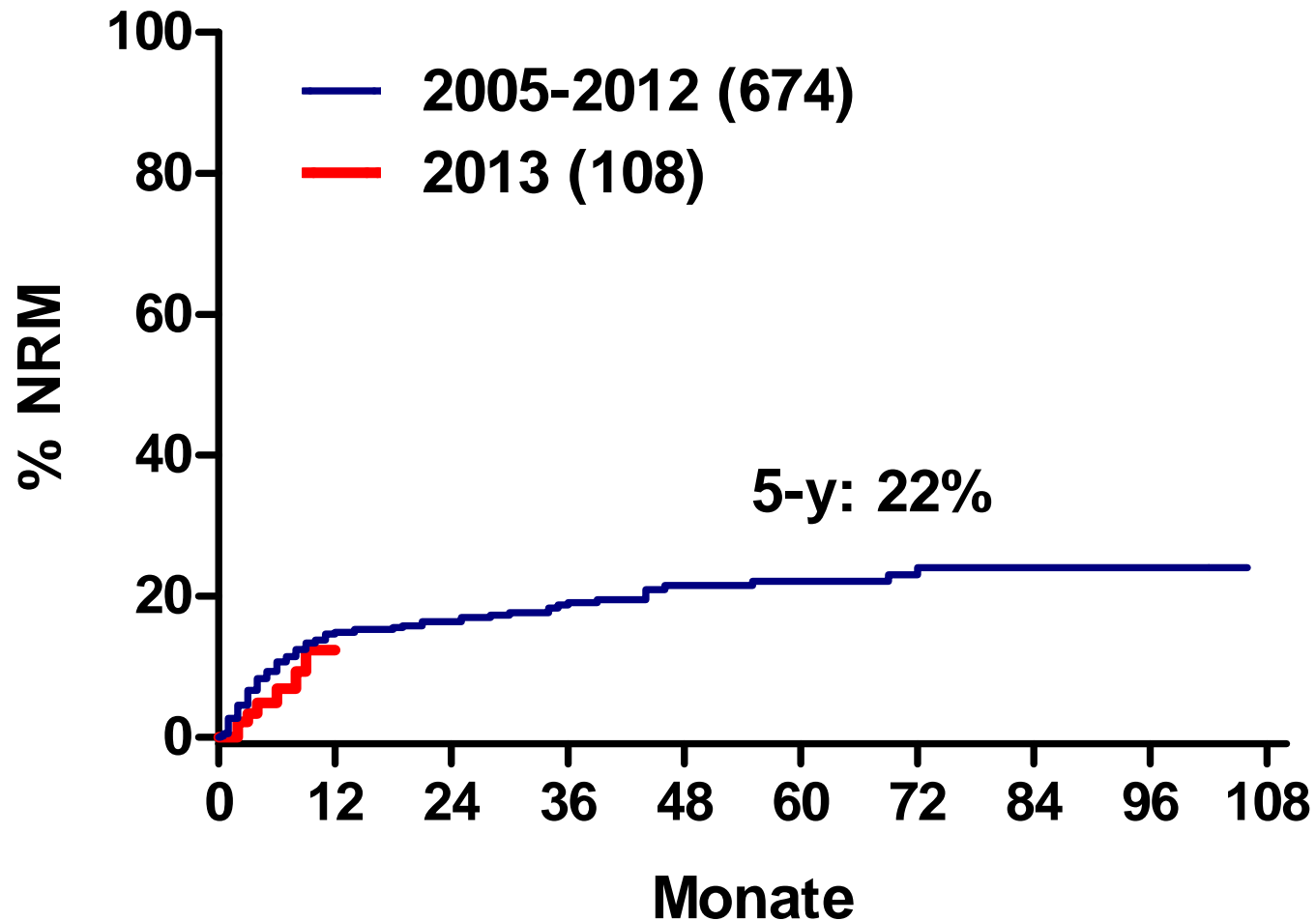


HD: Gesamtüberleben (Erwachsene)





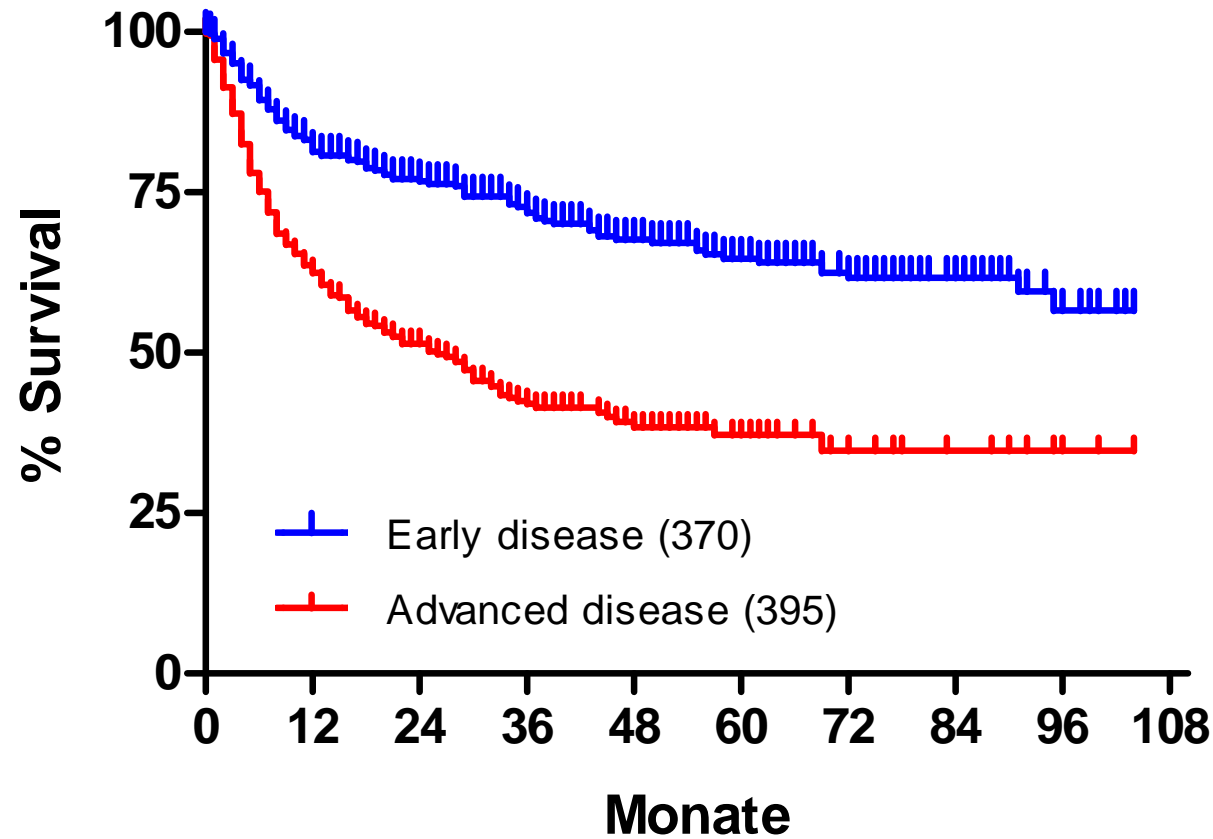
Non-Relapse Mortality (Erwachsene)





OS after alloHSCT by status at HSCT

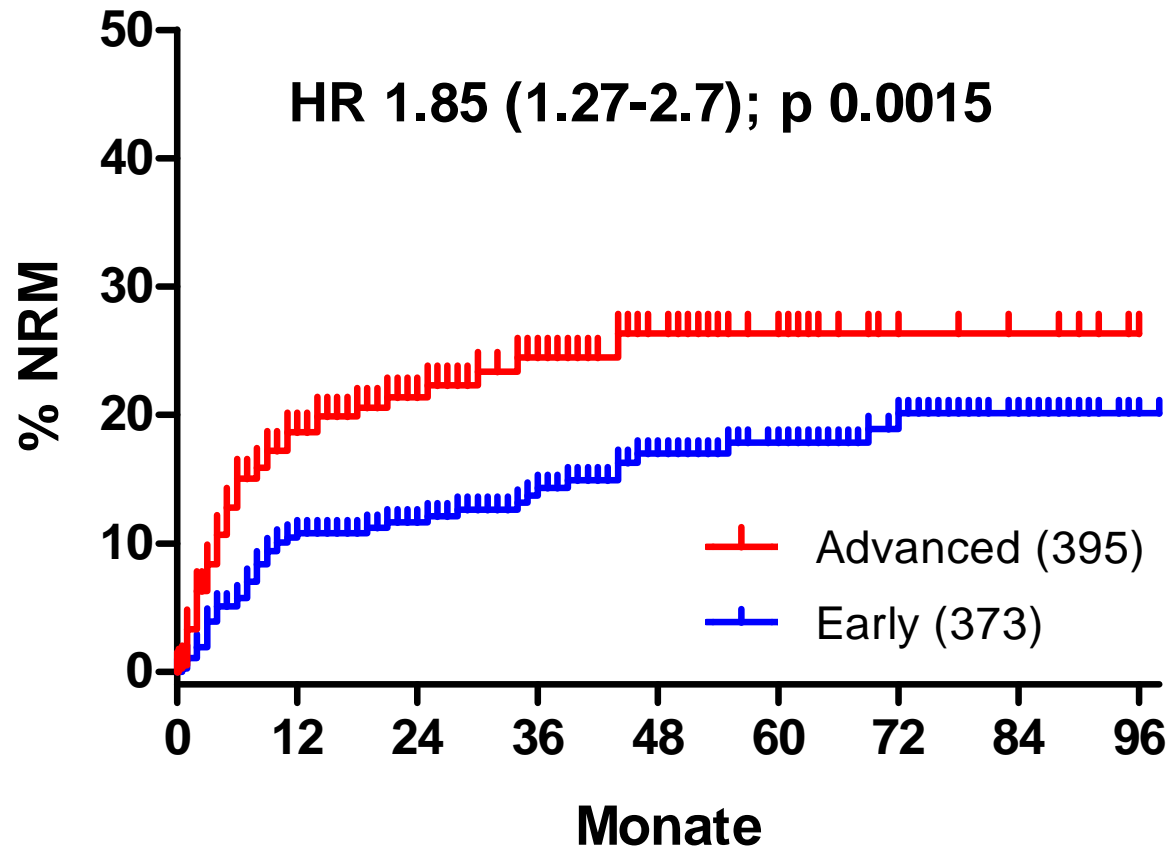
(Heidelberg, adults, 2005-2013)





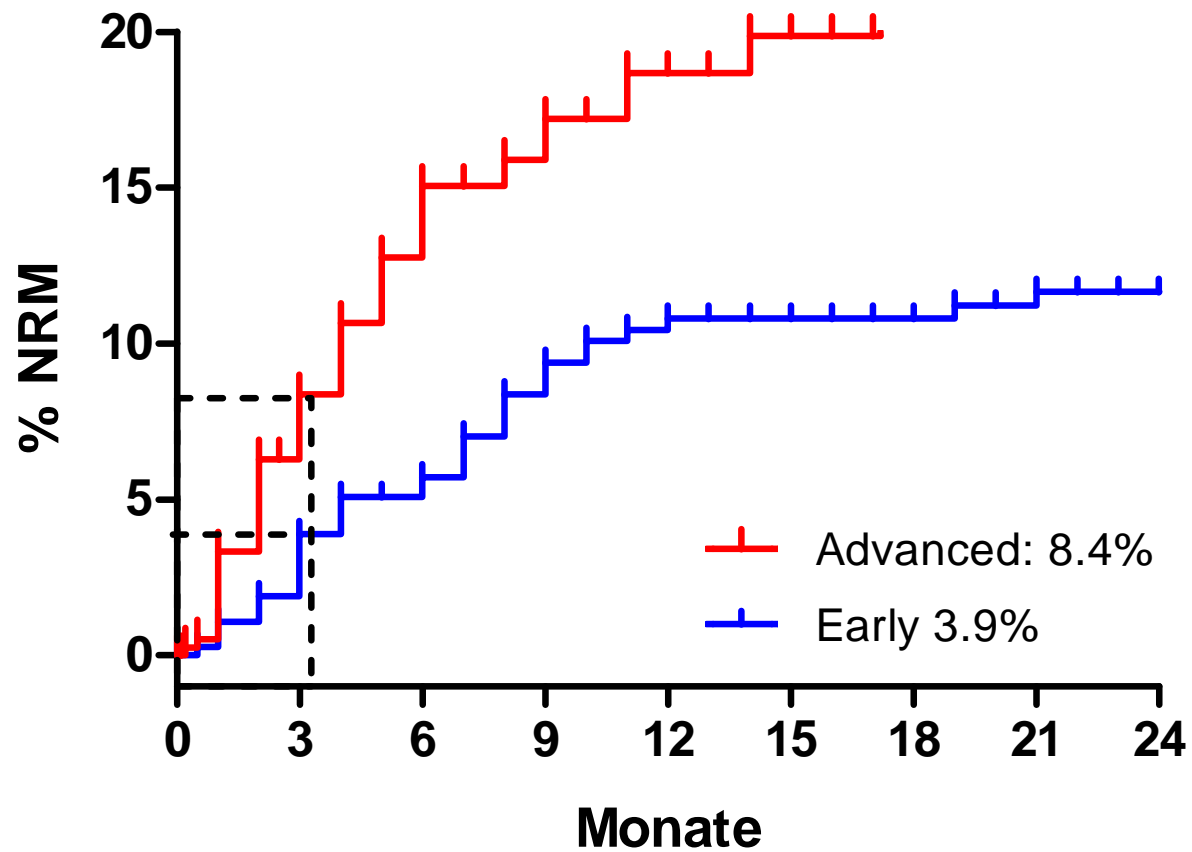
NRM after alloH SCT by status at H SCT

(Heidelberg, adults, 2005-2013)



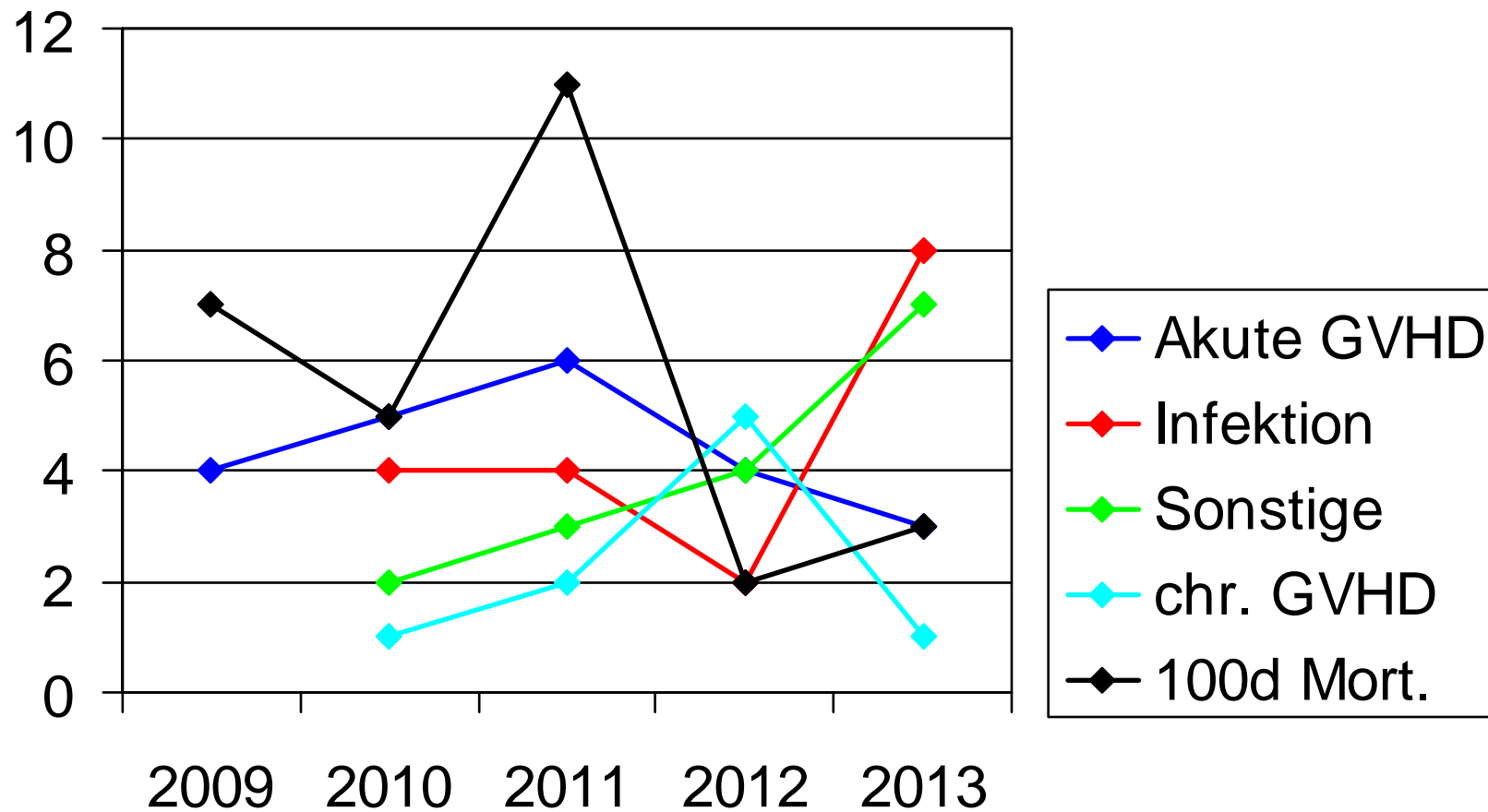


100d NRM after alloHSCt by status at HSCt (Heidelberg, adults, 2005-2013)





HD: Ursachen NRM 2009-2013



Biol Blood Marrow Transplant 18: 708-715 (2012)



The Impact of Geographic Proximity to Transplant Center on Outcomes after Allogeneic Hematopoietic Stem Cell Transplantation

*Karim E. Abou-Nassar,¹ Haesook T. Kim,² Jeff Blossom,³
Vincent T. Ho,⁴ Robert J. Soiffer,⁴ Corey S. Cutler,⁴ Edwin P. Alyea,⁴ John Koreth,⁴
Joseph H. Antin,⁴ Philippe Armand⁴*

Biol Blood Marrow Transplant 20 (2014) 53–57

Geographic Distance Is Not Associated with Inferior Outcome When Using Long-Term Transplant Clinic Strategy

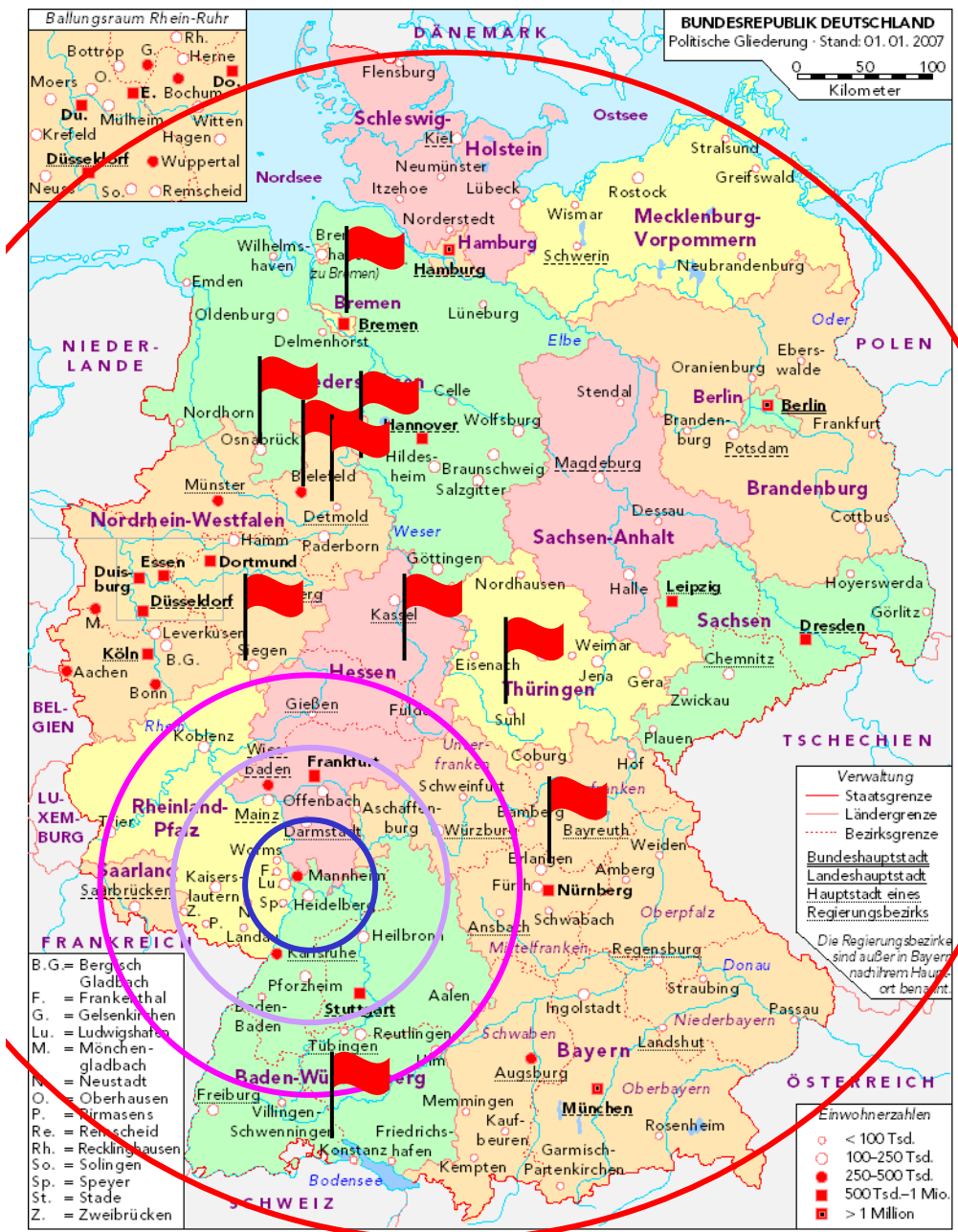
*Brittany Knick Ragon¹, Carey Clifton², Heidi Chen³, Bipin N. Savani²,
Brian G. Engelhardt², Adetola A. Kassim², Leigh Ann Vaughan²,
Catherine Lucid², Madan Jagasia^{2,*}*

¹ Department of Medicine, Vanderbilt University Medical Center, Nashville, Tennessee

² Division of Hematology/Oncology, Department of Medicine, Vanderbilt University Medical Center, Nashville, Tennessee

³ Department of Biostatistics, Vanderbilt University Medical Center, Nashville, Tennessee

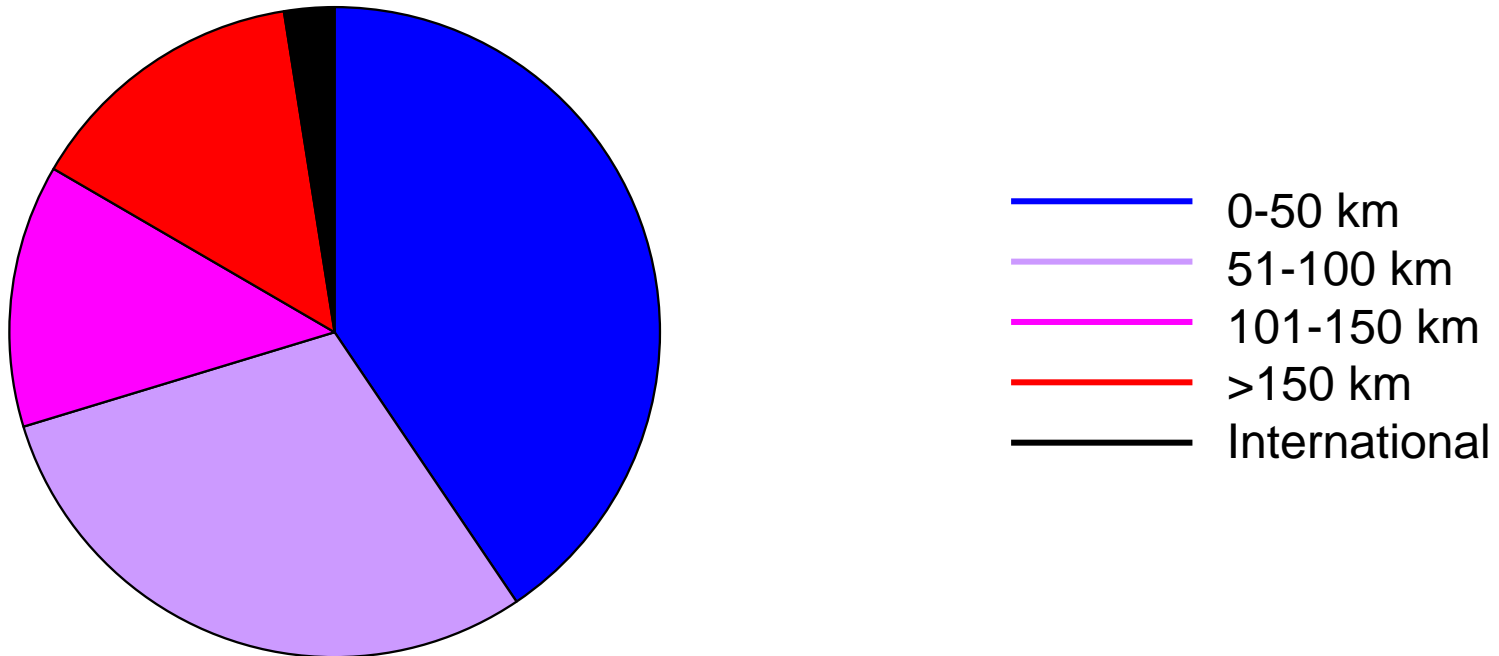




- 0-50 km
- 51-100 km
- 101-150 km
- >150 km
- International

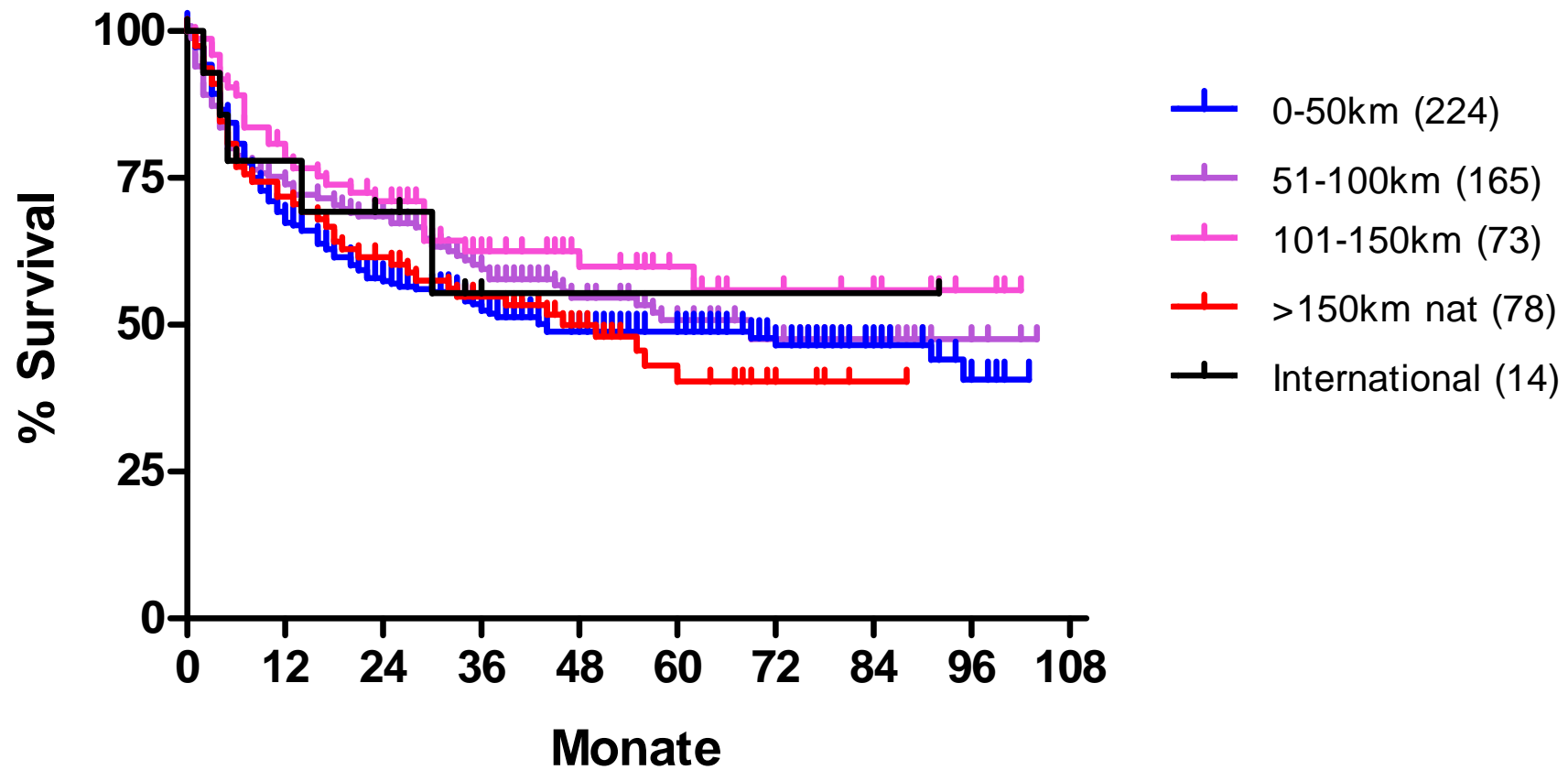


Allo-SCT Heidelberg: Patient origin 2005-2011 (n=564)



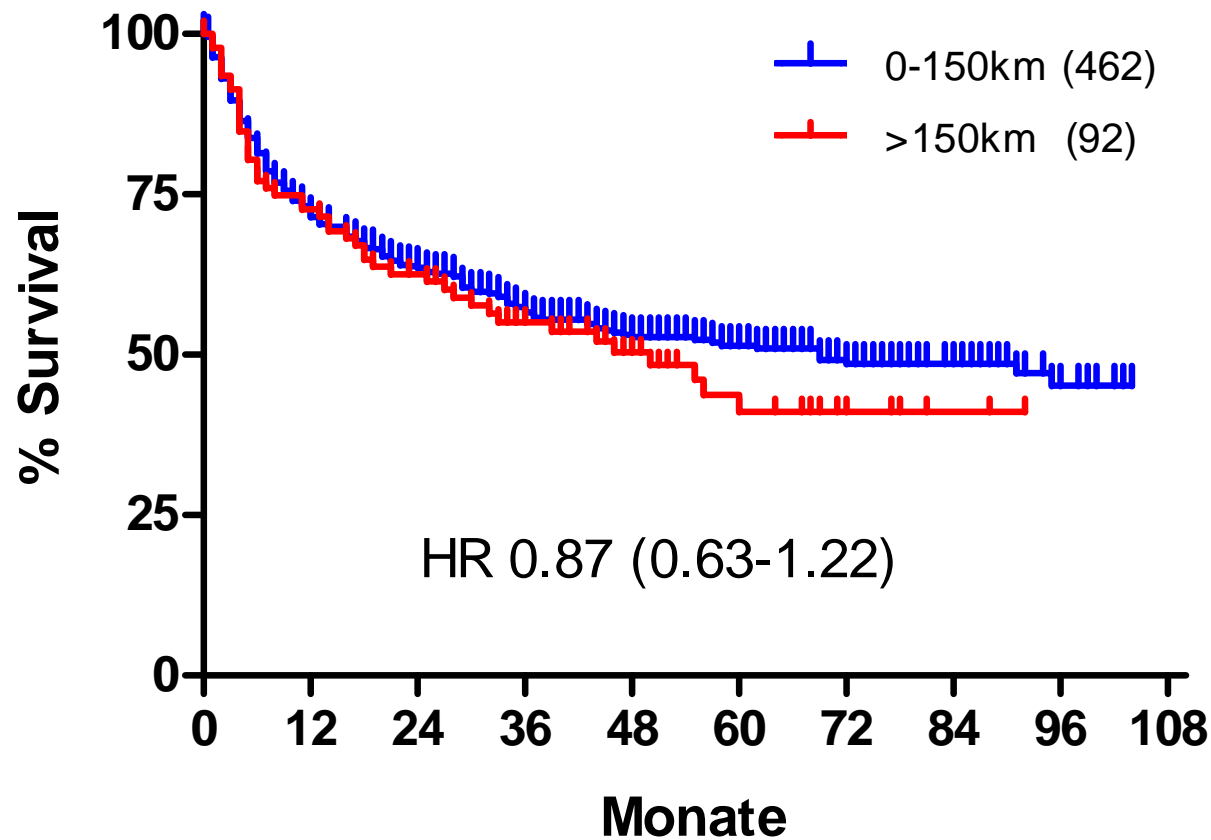


OS after alloH SCT by distance of place of residence (Heidelberg, adults, 2005-2011)



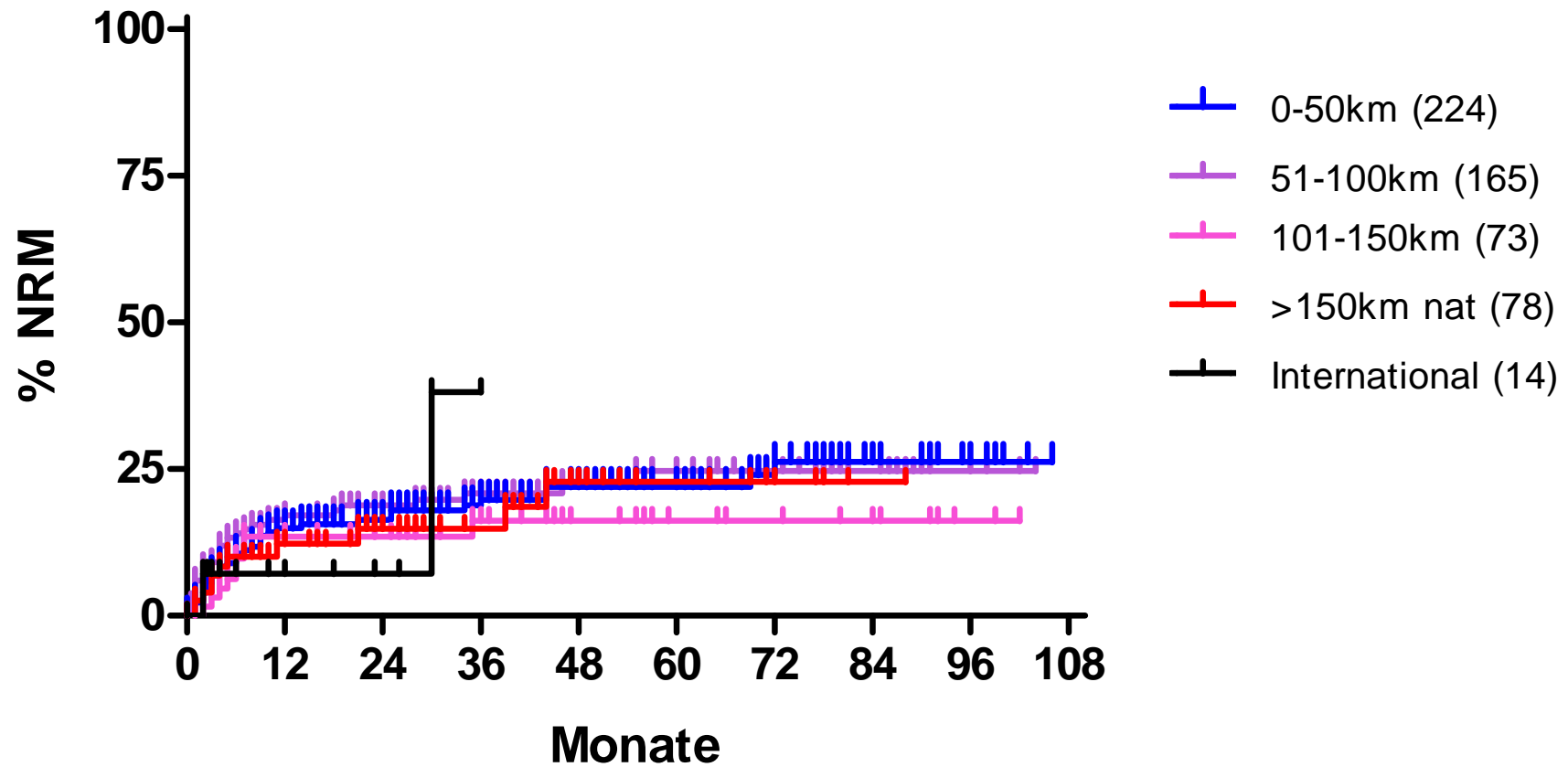


OS after alloH SCT by distance of place of residence (Heidelberg, adults, 2005-2011)





OS after alloH SCT by distance of place of residence (Heidelberg, adults, 2005-2011)



Zertifizierung & QM



JACIE

joint accreditation committee
isct ebmt

Part A. General Information & Overview

Programme/Institution name:	Medizinisch Klinik V, Universitätsklinikum Heidelberg
City:	Heidelberg
Country:	Germany
Type of inspection:	Initial

Inspection date:	04.11.2013 and 05.11.2013	Date of Inspection Report:	19/11/2013	Date of Summary Report:	30/01/2014
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The preparation of the JACIE inspection was excellent. All members of the program are highly motivated and could be interviewed in a frank and friendly atmosphere.

All inspectors agreed that the Heidelberg Program is one of the best programs for transplantation of allogeneic and autologous blood stem cells found in Germany.

Main Strengths & Areas for Improvement	
Strengths	<ul style="list-style-type: none"> ○ QM, logistic structures, physician and nurse and staff /patient ratios.
Areas for improvement	<ul style="list-style-type: none"> ○ MED-A documentation of engraftment date. ○ If the diagnosis of the underlying disease was established by a pathologist outside the University Hospital of Heidelberg, the original report was not included in the patient file as a rare exception.

Biol Blood Marrow Transplant 19 (2013) 1124–1135

Extracorporeal Photopheresis versus Anticytokine Therapy as a Second-Line Treatment for Steroid-Refractory Acute GVHD: A Multicenter Comparative Analysis

Madan Jagasia^{1,*†}, Hildegard Greinix^{2,†}, Marie Robin³, Emma Das-Gupta^{4,†}, Ryan Jacobs¹, Bipin N. Savani¹, Brian G. Engelhardt¹, Adetola Kassim¹, Nina Worel², Robert Knobler², Nigel Russell⁴, Gerard Socie^{3,†}

¹ Department of Medicine, Vanderbilt University Medical Center, Nashville, Tennessee

² Department of Internal Medicine I, Medical University of Vienna, Vienna, Austria

³ Service d'Hématologie-Greffe de Moelle, Saint Louis Hospital, Paris, France

⁴ University of Nottingham, Division of Epidemiology and Public Health, Nottingham University Hospitals NHS Trust, Nottingham, United Kingdom



Extracorporale
Photopherese
seit Juni 2013



Forschung



UniversitätsKlinikum Heidelberg

The role of endothelium in Graft versus Host Disease

Thomas Luft, PD, MD, PhD

Dept. of Medicine V

University Hospital Heidelberg



BMT TANDEM MEETINGS

GRAPEVINE

Just North of Dallas, Texas

February 26 - March 2, 2014





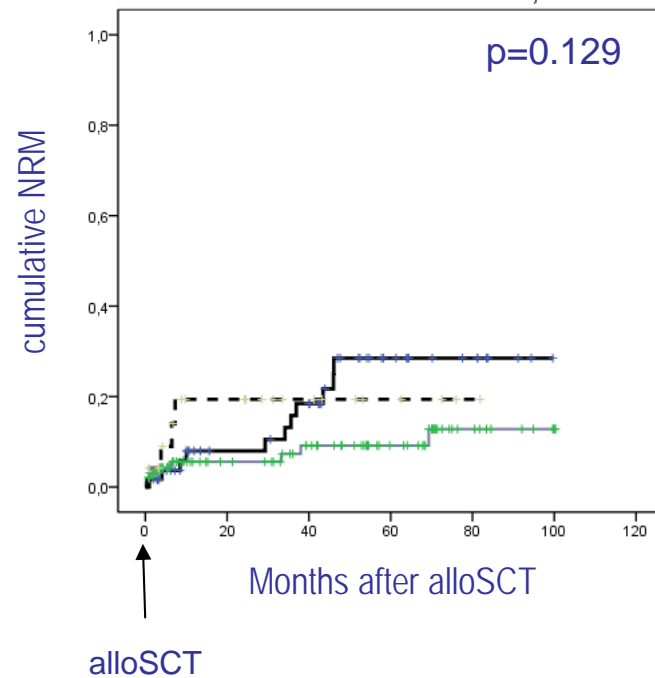
Endothelial risk factors:

- Angiotensin 2 >1000 ng/ml
- Nitrates >26,5 μ M
- Asymmetric Di-Methylarginine (ADMA) >0,6 μ M

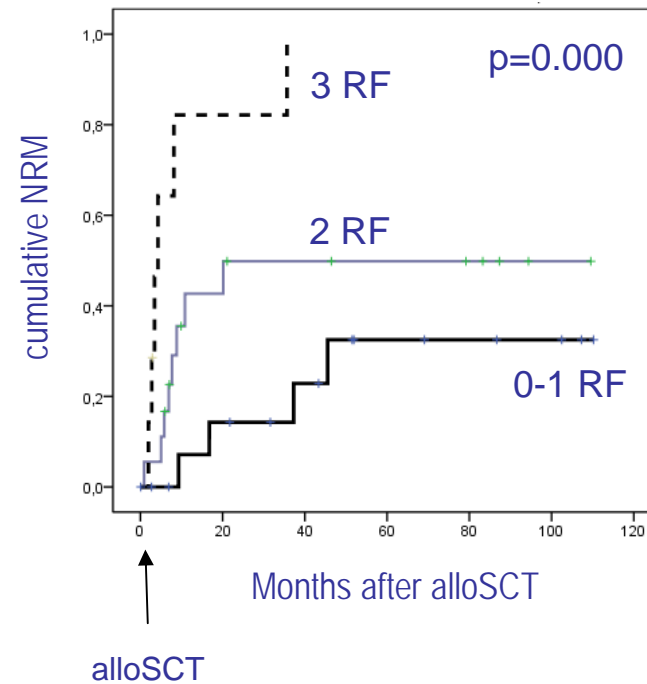


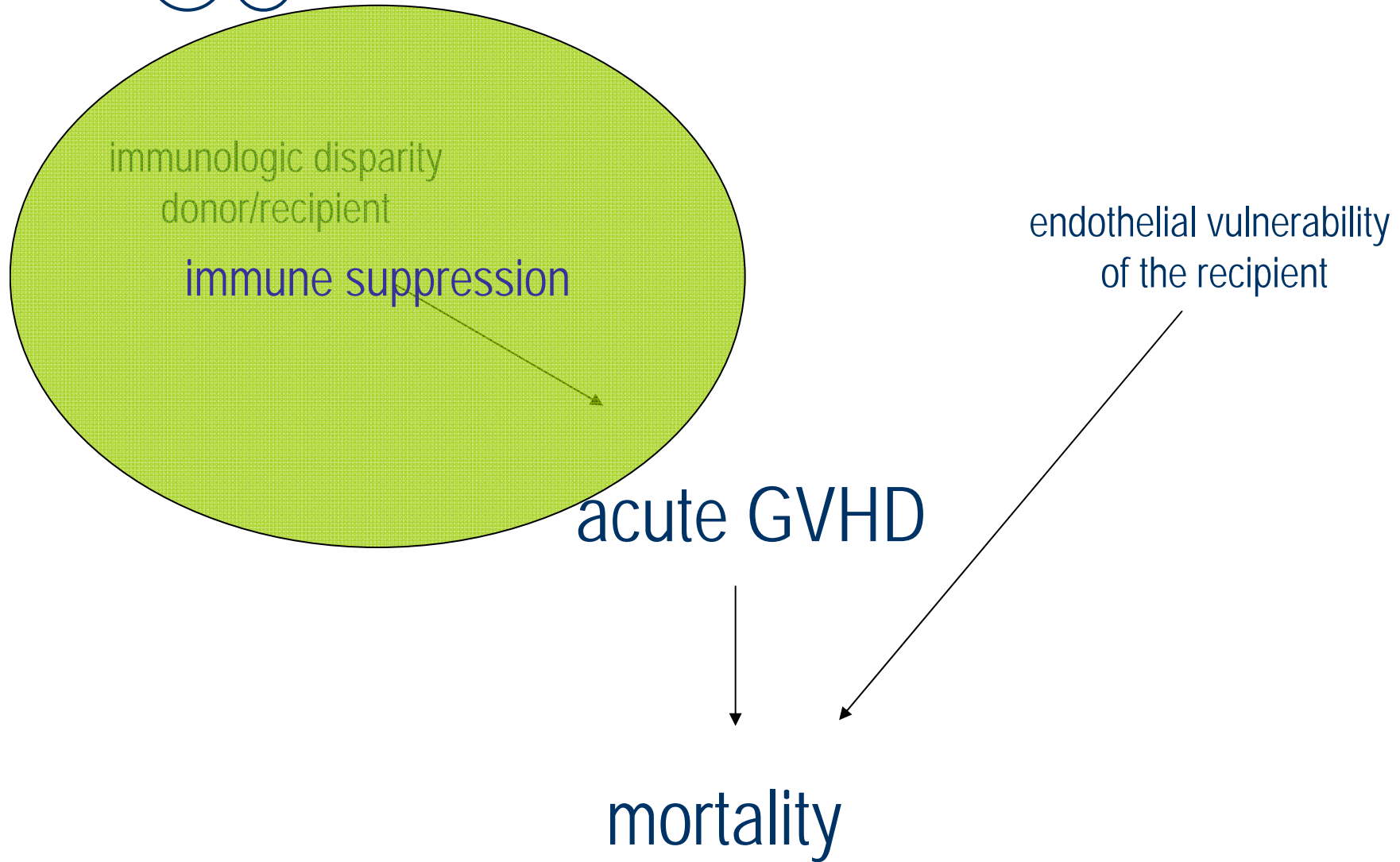
pre-SCT endothelial risk predicts survival only in the context of GVHD

No GVHD 3-4
n=180



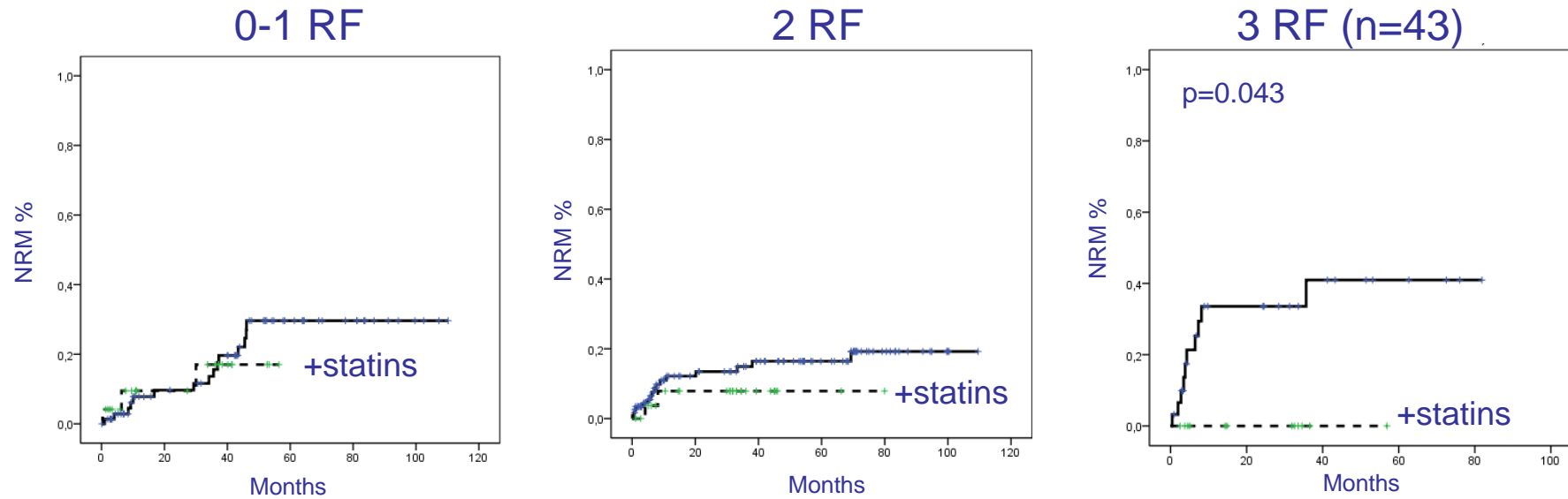
GVHD 3-4
n=42







Statins reduce NRM in patients with high endothelial risk

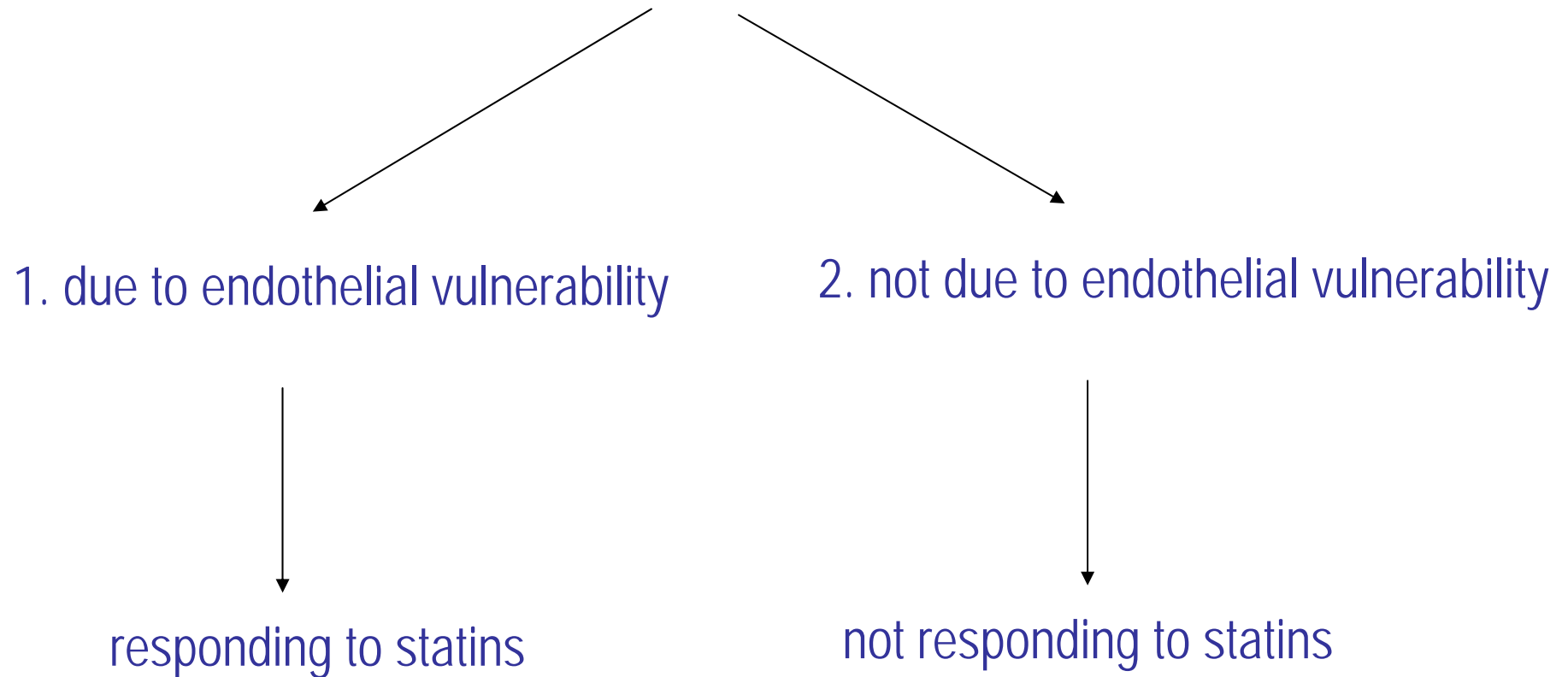


RF:

- ANG >1000 ng/ml
- Nitrates >26,5 μ M
- ADMA >0,6 μ M



There are two pathomechanisms of refractory GVHD:





Aleksandar Radujkovic

Sascha Dietrich

Michael Hess

Nicola Lehnert

Katharina Schmidt

Marc Schwarzbich

Jürgen Okun

Kathrin Schmidt

Mindaugas Andrusis

Berend Isermann

Olaf Pennack



Axel Benner











Thomas Luft










Christine Falk



Publikationen 2013 (Erst- oder Letztautorenschaften)

#	Artikel	IF 2011
1	 Dietrich S , Roos-Weil D, Boumendil A ... Dreger P . Stem cell transplantation can provide durable disease control in Blastic plasmacytoid dendritic cell neoplasm. <i>Blood</i> 121:440-446 (2013)	9.898
2	 Dietrich S , Falk CS, Benner A ... Luft T . Endothelial vulnerability and endothelial damage associate with GVHD risk and response to steroid treatment. <i>Biol Blood Marrow Transplant</i> 9:22-27 (2013)	3.940
3	 Dietrich S... Luft T . High pre-transplant serum nitrate levels predict risk of acute steroid-refractory graft-versus-host disease in the absence of statins. <i>Haematologica</i> Oct 18,2013	5.935
4	 Dreger P et al. TP53, SF3B1, and NOTCH1 mutations and outcome of allotransplantation for chronic lymphocytic leukemia: six-year follow-up of the GCLLSG CLL3X trial. <i>Blood</i> 121:3284 (2013)	9.898
5	 Montoto S... Dreger P . Indications for hematopoietic stem cell transplantation in patients with follicular <i>lymphoma: a consensus project of the EBMT-Lymphoma Working Part</i> . <i>Haematologica</i> 98:1014 (2013)	5.935
6	 Dreger P The evolving role of stem cell transplantation in chronic lymphocytic leukemia. <i>Hematol Oncol Clin North Am</i> 27:355 (2013)	2.084
7	  Jantunen E... Dreger P . Autologous stem cell transplantation for enteropathy-associated T-cell lymphoma: a retrospective study by the EBMT. <i>Blood</i> 121:2529 (2013)	9.898

Publikationen 2013 (Koautorenschaften)

#	Artikel	IF 2011
1	 Alchalby,H.; Zabelina,T.; Stubig,T.; van,Biezen A.; Bornhauser,M.; Di,Bartolomeo P.; Beelen,D.; Cahn,J.Y.; Dreger,P. ; Schroyens,W.; de,Witte T.; Olavarria,E.; Kroger,N. <u>Allogeneic Stem Cell Transplantation for Myelofibrosis with Leukemic Transformation. A Study of the MPN-Subcommittee of the CMWP of the EBMT. Biol Blood Marrow Transplant 2013 Nov 4.</u>	3.940
2	 de Wreede,L.C.; Watson,M.; van,Os M.; Milligan,D.; van,Gelder M.; Michallet,M.; Dreger,P. ;; Schetelig,J. <u>Improved PFS after autologous stem cell transplantation does not translate into better Quality of Life in CLL: lessons from the randomized EBMT-Intergroup study. Am J Hematol 2013 Oct 9.</u>	4.003
3	 Rodrigues,C.A.; Rocha,V.; Dreger,P. ; .. Sureda,A. <u>Alternative donor hematopoietic stem cell transplantation for mature lymphoid malignancies after reduced-intensity conditioning regimen: similar outcomes with umbilical cord blood and unrelated donor peripheral blood. Haematologica 2013 Aug 9.</u>	5.935
4	 Siegloch,K.; Schmitz,N.; Wu,H.S.; Friedrichs,B.; van Imhoff,G.W.; Montoto,S.; Holler,E.; Ribera,J.M.; DeLage,R.; Duhrsen,U.; Castillo,N.D.; Harrison,B.; Dreger,P. ; Sureda,A. <u>Hematopoietic Stem Cell Transplantation in Patients with Lymphomatoid Granulomatosis: A European Group for Blood and Marrow Transplantation (EBMT) Report. Biol Blood Marrow Transplant 2013 Aug 12;19(10):1522-5.</u>	3.940
5	 Ruutu,T.; Gratwohl,A.; de,Witte T.; Afanasyev,B.; Apperley,J.; Bacigalupo,A.; Dazzi,F.; Dreger,P. ; ... Niederwieser,D. <u>Prophylaxis and treatment of GVHD: EBMT-ELN working group recommendations for a standardized practice. Bone Marrow Transplant 2013 Jul 29.Prophylaxis and treatment of GVHD: EBMT-ELN working group recommendations for a standardized practice. Bone Marrow Transplant 2013 Jul 29.</u>	3.541
6	 Lehnert,N.; Schnitzler,P.; Geis,S.; Puthenparambil,J.; Benz,M.A.; Alber,B.; Luft,T. ; Dreger,P. ; Eisenbach,C.; Kunz,C.; Benner,A.; Buchholz,U.; Aichinger,E.; Frank,U.; Heeg,K.; Ho,A.D.; Egerer,G. <u>Risk factors and containment of respiratory syncytial virus outbreak in a hematology and transplant unit. Bone Marrow Transplant 2013 Jul 1.</u>	2.084
8	 Martinez,C.; Canals,C.; Sarina,B.; Alessandrino,E.P.; Karakasis,D.; Pulsoni,A.; Sica,S.; trneny,M.; Snowden,J.A.; Kanfer,E.; Milpied,N.; Bosi,A.; Guidi,S.; de Souza,C.A.; Willemze,R.; Arranz,R.; Jebavy,L.; Hellmann,A.; Sibon,D.; Oneto,R.; Luan,J.J.; Dreger,P. ; Castagna,L.; Sureda,A. <u>Identification of prognostic factors predicting outcome in Hodgkin's lymphoma patients relapsing after autologous stem cell transplantation. Ann Oncol 2013 May 26;24(9):2430-4.</u>	7.384
9	 Passweg,J.R.; Baldomero,H.; Bregni,M.; Cesaro,S.; Dreger,P. ; ... Madrigal,A. Trends and data in HSCT in Europe 2011. BMT 2013 Apr 15	3.541
10	 Pettengell,R.; Schmitz,N.; Gisselbrecht,C.; Smith,G.; Patton,W.N.; Metzner,B.; Caballero,D.; Tilly,H.; Walewski,J.A.; Bence-Bruckler,I.; To,B.; Geisler,C.H.; Schots,R.; Kimby,E.; Taverna,C.J.; Kozak,T.; Dreger,P. ; Uddin,R.; Ruiz de,Elvira C.; Goldstone,A.H. <u>Rituximab Purging and/or Maintenance in Patients Undergoing Autologous Transplantation for Relapsed Follicular Lymphoma: A Prospective Randomized Trial From the Lymphoma Working Party of the European Group for Blood and Marrow Transplantation. J Clin Oncol 2013 Apr 1;31(13):1624-30</u>	18.038
11	Ghielmini,M.; Vitolo,U.; Kimby,E.; Montoto,S.; Walewski,J.; Pfreundschuh,M.; Federico,M.; Hoskin,P.; McNamara,C.; Caligaris-Cappio,F.; Stilgenbauer,S.; Marcus,R.; trneny,M.; Dreger,P. ; Montserrat,E.; Dreyling,M. <u>ESMO Guidelines consensus conference on malignant lymphoma 2011 part 1: diffuse large B-cell lymphoma (DLBCL), follicular lymphoma (FL) and chronic lymphocytic leukemia (CLL). Ann Oncol 2013 Nov 21;24(3):561-76.</u>	7.384

Ausblick

Patiententag 22.03.2014 in Heidelberg



30 Jahre Knochenmark- und
Blutstammzelltransplantation
der Medizinischen Klinik V, Heidelberg



Patiententag
Samstag, 22. März 2014
Hörsaal, Medizinische Klinik Heidelberg, INF 410

Programm

Samstag, 22. März 2014
Hörsaal, Medizinische Klinik (Neue Krehl Klinik)
Im Neuenheimer Feld 410, 69120 Heidelberg

„30 Jahre Knochenmark- und Blutstammzelltransplantation in Heidelberg“

- 10:00 Uhr Eröffnung und Grußwort
Prof. Dr. Anthony D. Ho
- 10:15 – 10:45 Uhr Mit Patienten im Gespräch: Frau Strauß
und Herr Kimmel
Dr. Ulrike Klein
- 10:45 – 11:15 Uhr „Infektionen nach Transplantation und wie
man sie verhindern kann“
Prof. Dr. Peter Dreger
- 11:15 – 11:45 Uhr „Unsere Restmaterialstudie – eine
gemeinsame Anstrengung: Was lernen wir
aus Ihren Blutproben?“
PD Dr. Dr. Thomas Luft
- 11:45 – 12:15 Uhr „Die Suche nach dem passenden
Stammzellspender“
Peter Stadtherr
- 12:15 – 12:45 Uhr *Mittagsimbiss im Foyer*
- 12:45 – 14:45 Uhr Verschiedene Arbeitsgruppen:

„Allogene Stammzell-Transplantation im
höheren Lebensalter“
PD Dr. Ute Hegenbart

„Bewegung und Sport nach Transplantation.
Wissenschaftliche Erkenntnisse und
praktische Umsetzung“
Rea Kühl

Chronische CvHD
PD Dr. Dr. Thomas Luft



“Allo” sind

„von Dusch“

ML Knee
R Gruß
R Adam
...und das Team!

Station

M Schiller
S Shah
J Brandt
M Hahn
C Heilig
K Horstmann
S Kierschke
C Kimmich
W Merkt
J Puthenparambil
K Schmidt
E Walter
A Martin

Koordination

P Stadtherr
I Opitz
A Herrmann

Psychologie

D Tönnessen

Ambulanz

T Luft
S Schönland
T Bochtler
S Dietrich
F Kosely
S Rohlfing
M Schubert
P Wuchter
M Wegner
S Zink

Case Manager

A Bondong
L Keilbach

Labor

T Luft
S Dietrich
M Hess
A Radujkovic
R Schulz & Team

HLA

H Tran
K Nerbel
G Opelz & Team

Sozialdienst

A Bergner
G Daiß
Sontowski

Studienzentrale

AM Geueke
J Klemmer
F Michel
& Team

Anleitung

U Hegenbart
P Dreger

Early Bird Team

G Egerer
J Meissner
AD Ho

...alle Mitarbeiter der MedV !