



Autoimmune Diseases Working Party

Chair: Dominique Farge
Secretary: John Snowden

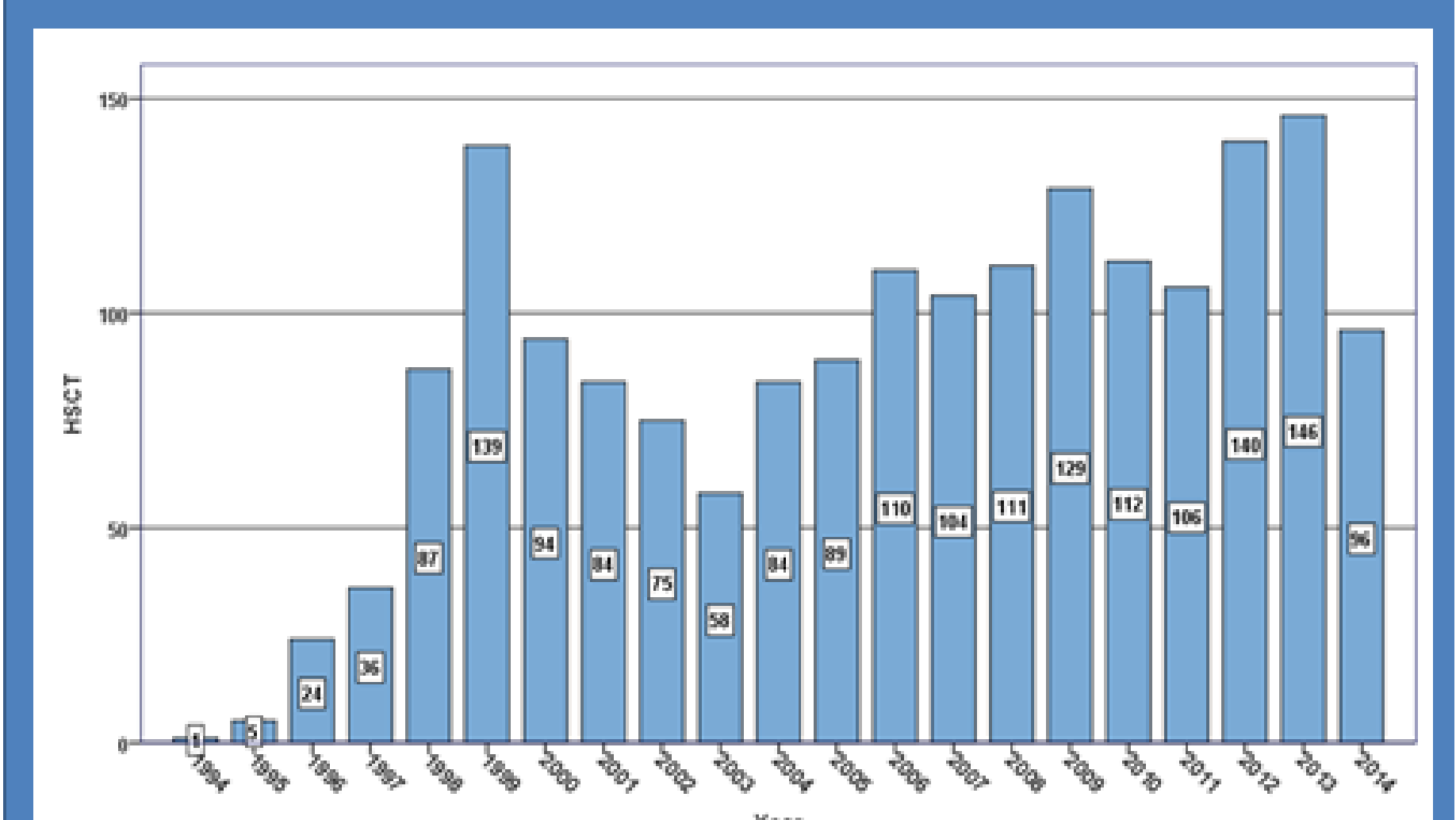
Number of HSCT for autoimmune diseases : 1832 EBMT Registry - February 2015

Transplant procedures	1832
Patients	1783
Male/Female %	39/61
Paediatric/ adult / %	12/88
Centres /Countries	242 / 38
Overall follow up (median)	2.9y (<1-19)

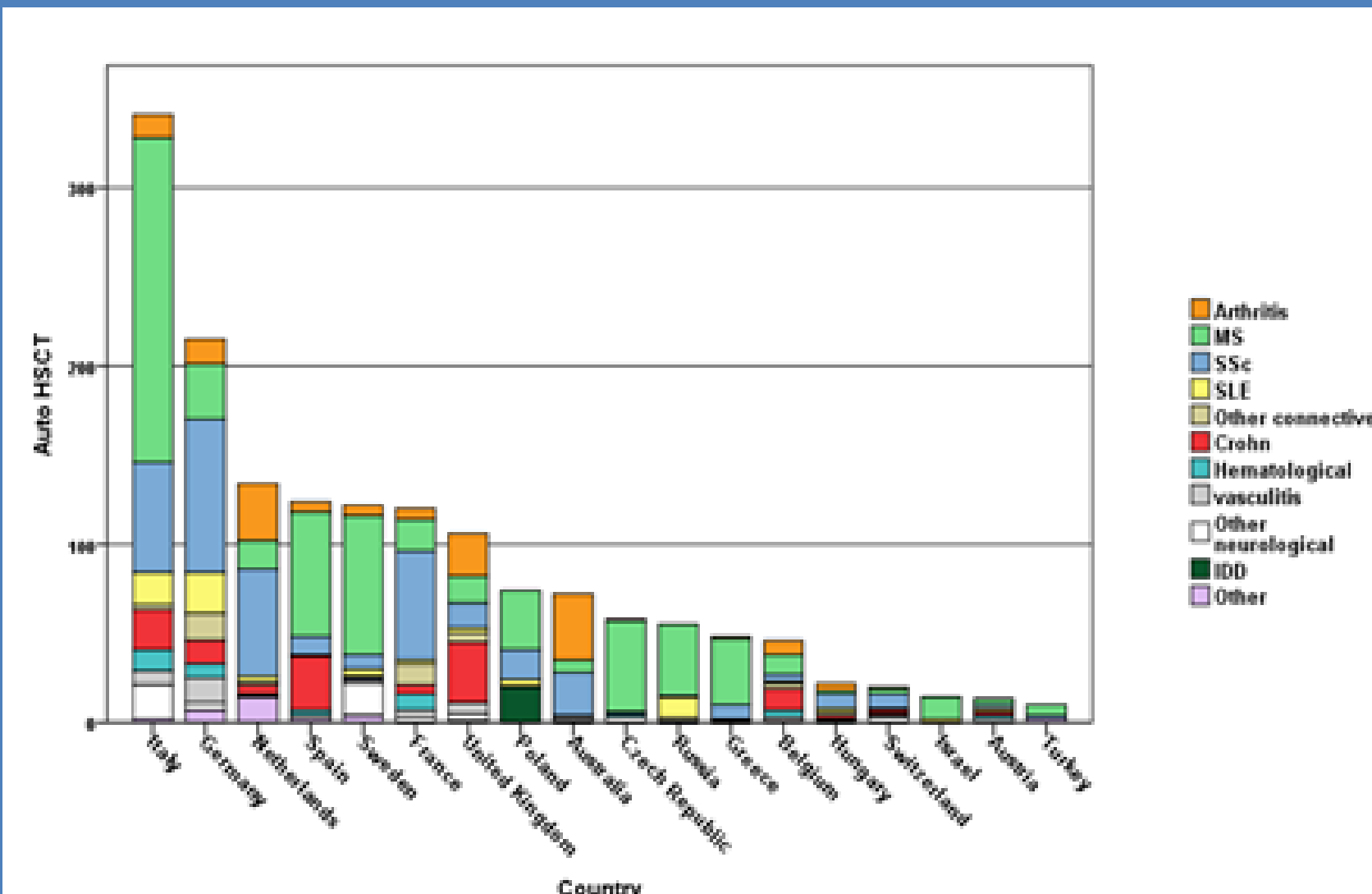
	Autografts n=1703	Allografts n=128
First	1683	99
Second	19	23
Third		6
Median age at 1st transplant	36y (3-76)	13y (<1-57)

► MULTIPLE SCLEROSIS	673	► HAEMATOLOGICAL	93
► CONNECTIVE TISSUE	547	ITP	29
SSc	386	Evans'	19
SLE	109	AIHA	20
PM-DM	20	Other	19
Sjogren	3	► VASCULITIS	49
Antiphosph. Syndrome	5	Wegener's	12
Other/Unknown	24	Behcet's	9
► ARTHRITIS	176	Takayasu	2
Rheumatoid arthritis	81	Microscopic poly. nodosa	3
Juvenile chronic arthritis :	4	Classical poly. nodosa	1
*Systemic JIA	55	Churg-Strauss	2
*Other JIA	18	Other/Unknown	18
*Polyarticular JIA	14	► OTHER NEUROLOGICAL	74
*Psoriatic arthritis	4	Myasthenia gravis	7
*Other	5	Other/Unknown	62
► INFLAMMATORY BOWEL	170	► INSULIN DEPENDENT	20
Crohn's disease	139	DIABETES	
Ulcerative colitis	4	► OTHER	32
Other	22		

HSCT for AD per year

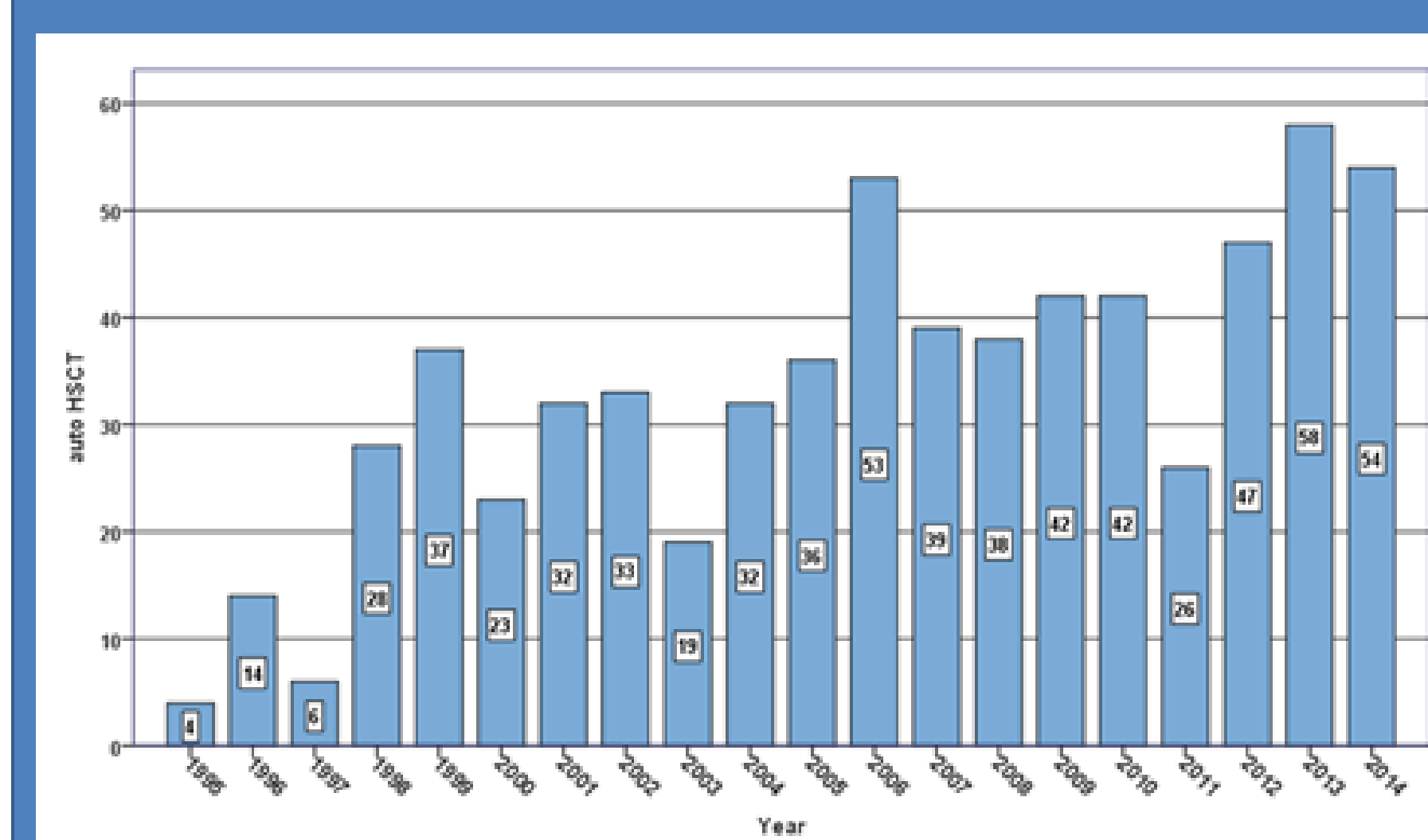


aHSCT-Patients / diagnosis/Countries (1703)



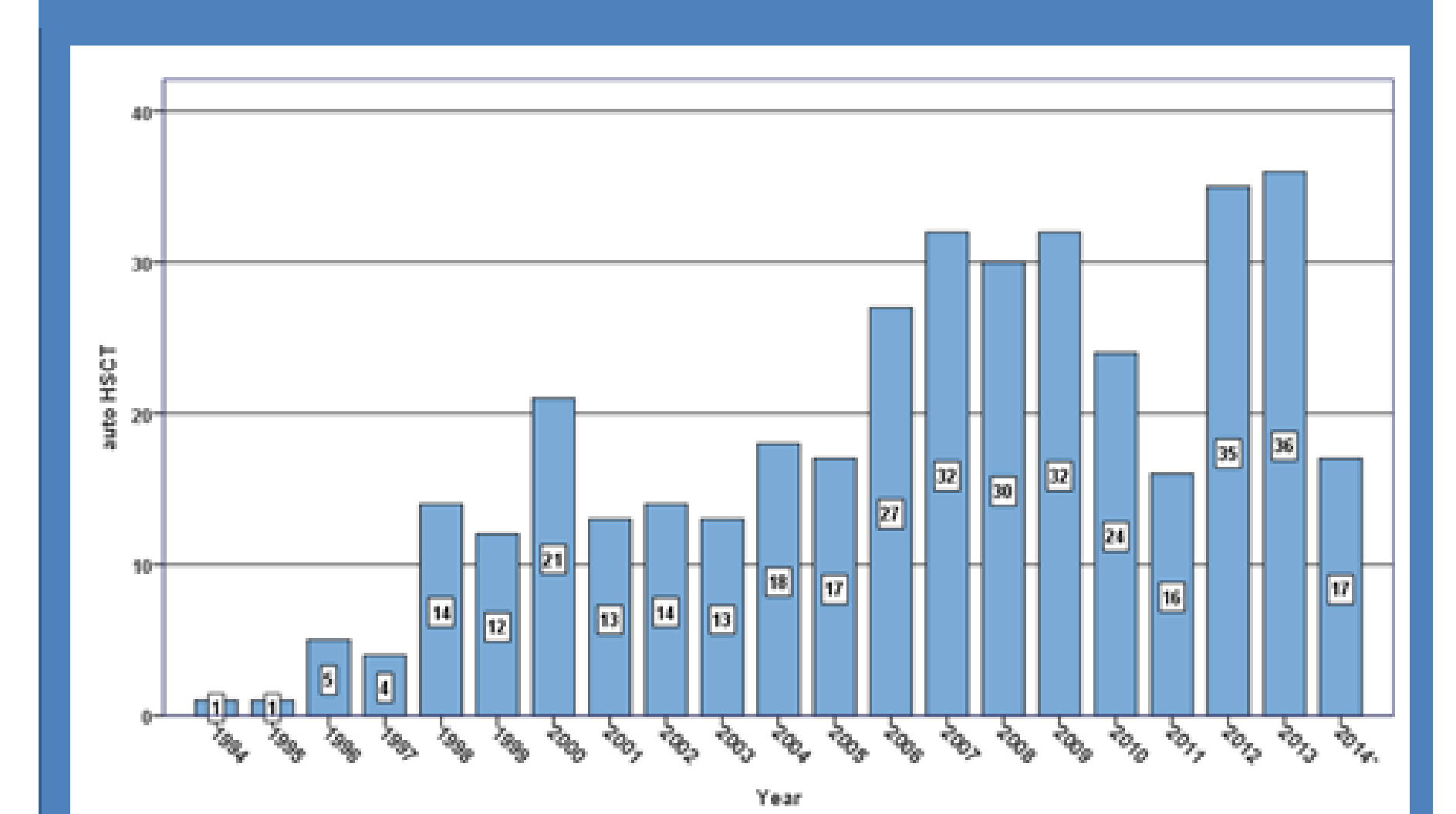
Multiple sclerosis

Patients-Auto per year (n=664)

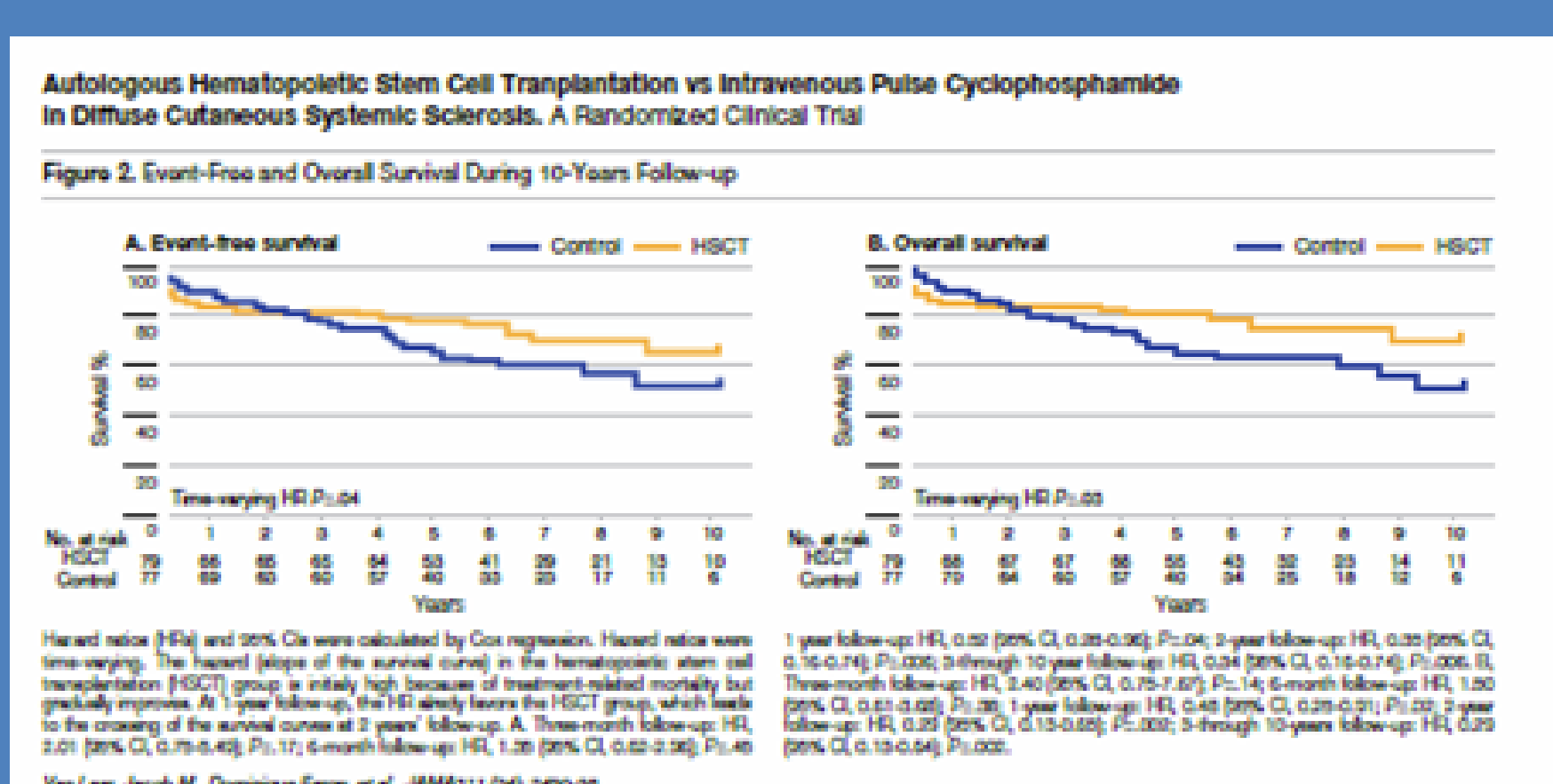


Systemic sclerosis

Patients- auto per year (n=383)



ASTIS TRIAL JAMA 2014



Key scientific advances

- Over 1800 HSCT in the largest data base worldwide
- Publication of 2 major trials (ASTIS and ASTIMS) sponsored by EBMT
- Proof of concept (level I) of the efficacy of autologous HSCT in SSc and MS acquired
- Publication of Biobanking guidelines

The NISSc study : ongoing

- Open, multi-centers, prospective non-interventional study
- Aiming to assess the effectiveness of Autologous HSCT for early severe or rapidly progressive Systemic Sclerosis (SSc)

ADWP – Recent publications

- **Autologous Hematopoietic Stem Cell Transplantation vs Intravenous Pulse Cyclophosphamide in Diffuse Cutaneous Systemic Sclerosis: A Randomized Clinical Trial-** Van Laar J and Farge D, et al. 2014. *JAMA: The Journal of the American Medical Association* 311 (24): 2490-98.
- **Cardiac Assessment before Stem Cell Transplantation for Systemic Sclerosis— Reply-** Van Laar, Jacob M., Farge Dominique and Tyndall Alan . 2014. *JAMA* 312 (17): 1803-4.
- **Onset and Outcome of Pregnancy after Autologous Haematopoietic SCT (AHSCT) for Autoimmune Diseases: A Retrospective Study of the EBMT Autoimmune Diseases Working Party (ADWP)** – Snarski E et al. 2014. *BMT bmt*.2014.248
- **Autologous Hematopoietic Stem Cell Transplantation in Neuromyelitis Optica: A Registry Study of the EBMT Autoimmune Diseases Working Party-** Greco, Raffaella et al. 2014. *Multiple Sclerosis (Houndmills, Basingstoke, England)*
- **SCT for Severe Autoimmune Diseases: Consensus Guidelines of the European Society for Blood and Marrow Transplantation for Immune Monitoring and Biobanking** - Alexander, Tobias et al. 2014 *BMT /bmt*.2014.251.
- **Autologous Haematopoietic Stem Cell Transplantation in Multiple Sclerosis: a phase II trial-ASTIMS** - Mancardi, GL et al. 2014. *Neurology*, in press.