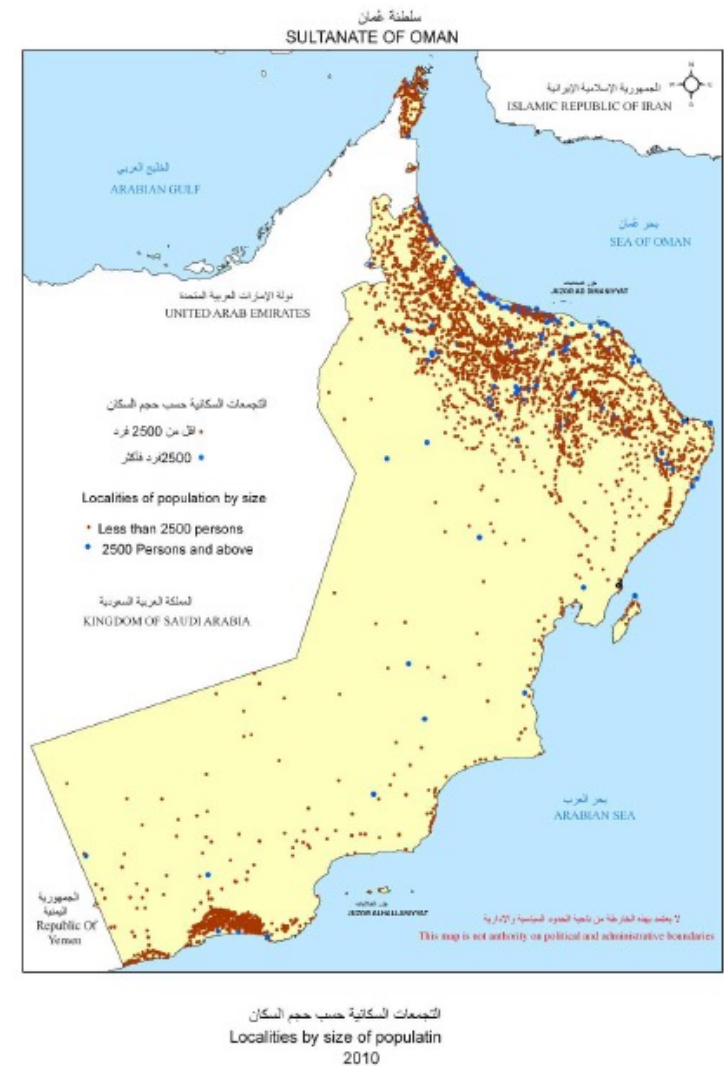
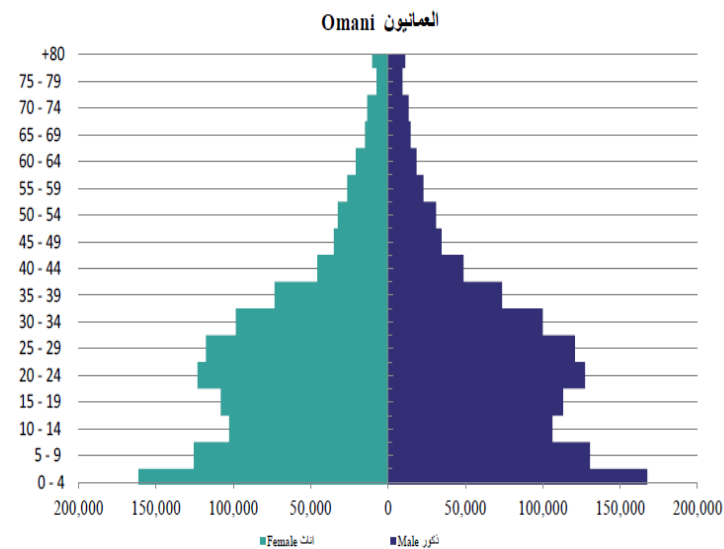
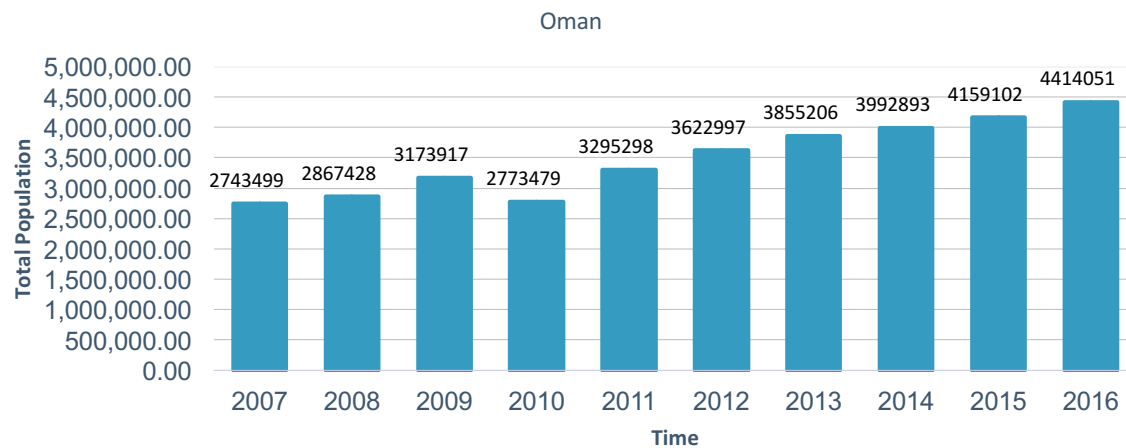


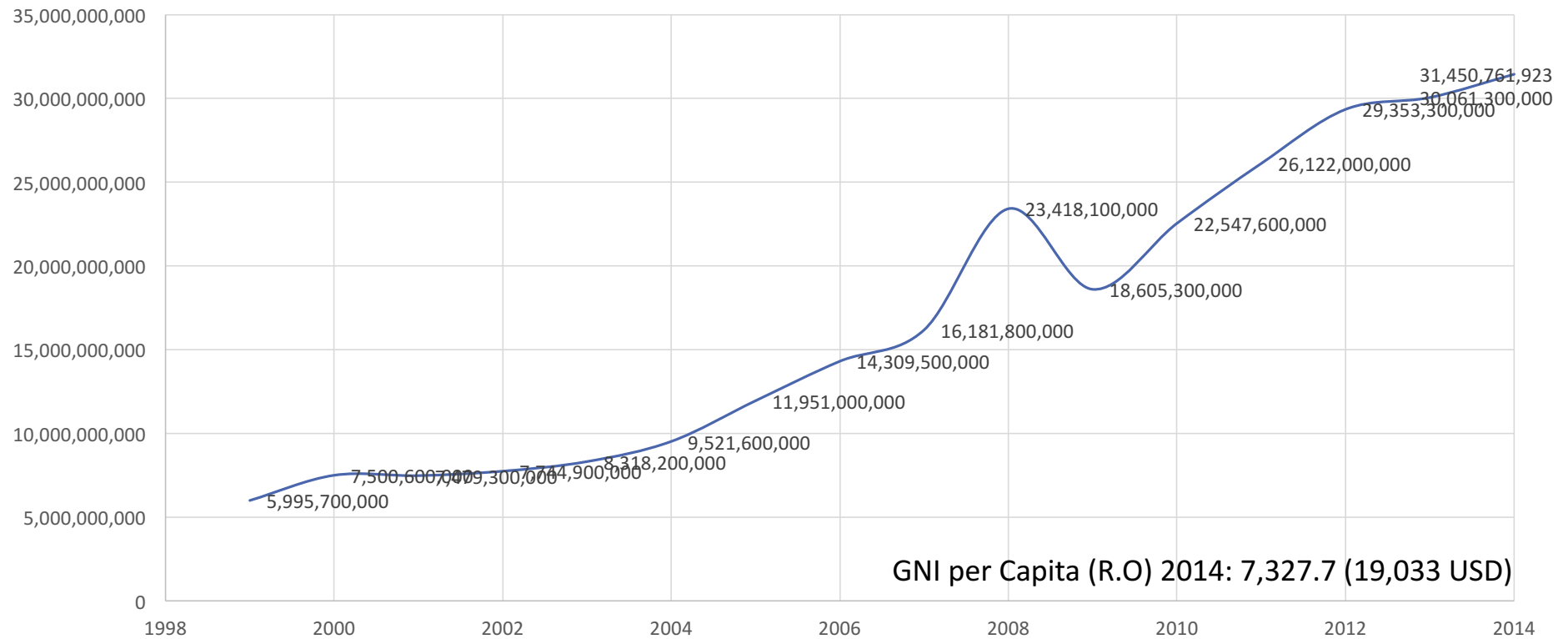
HSCT Country Report: Oman

Murtadha Al-Khabori, MD
Senior Consultant, Hematology and BMT
Chair, BMT Coordinating Committee
Sultan Qaboos University Hospital, Oman



<https://www.ncsi.gov.om/Pages/NCI.aspx> (Accessed Dec 30th 2016); <http://www.data.gov.om/en/Dashboards/> (Accessed Dec 30th 2016)

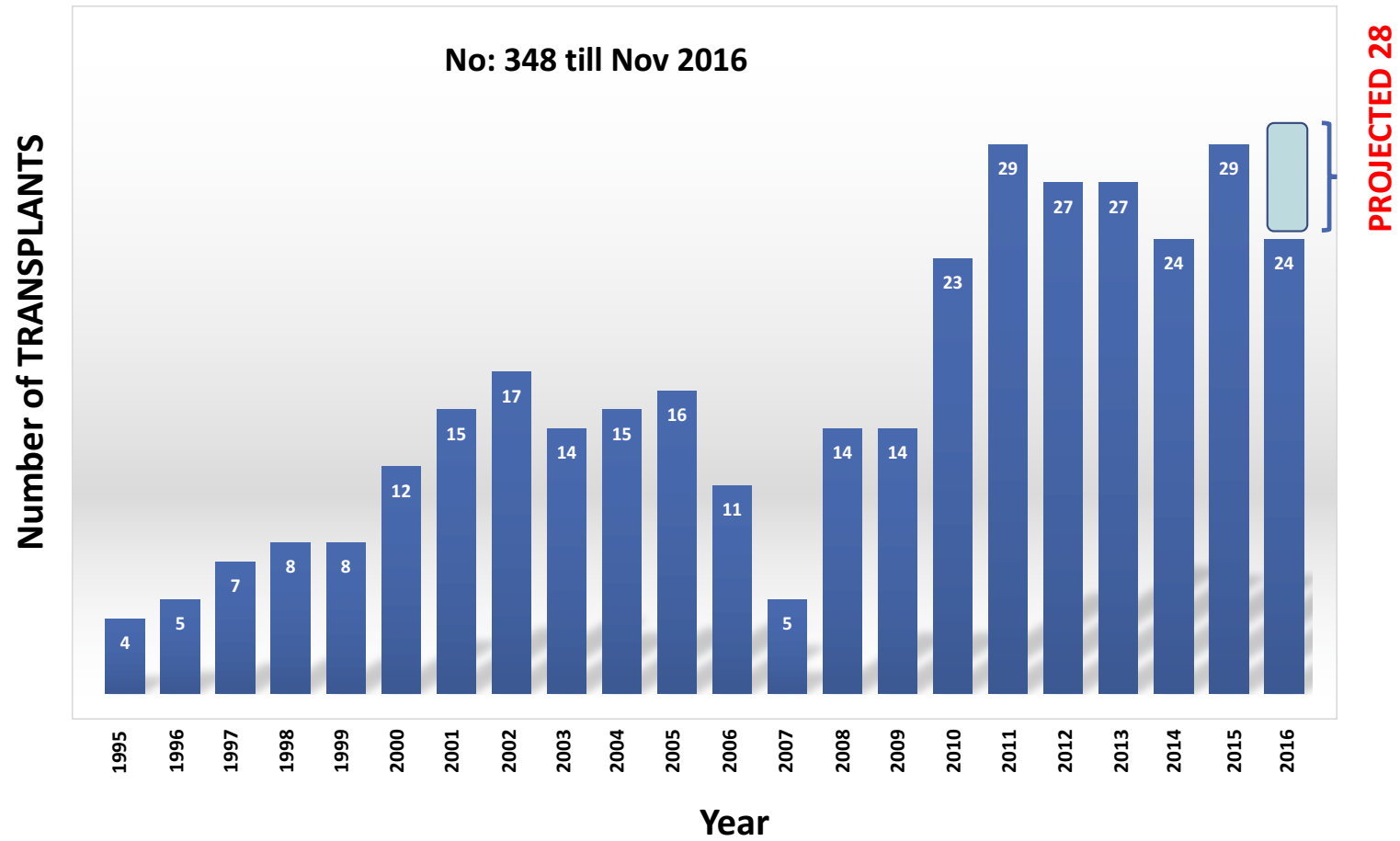
GDP (R.O)



HSCT Centers

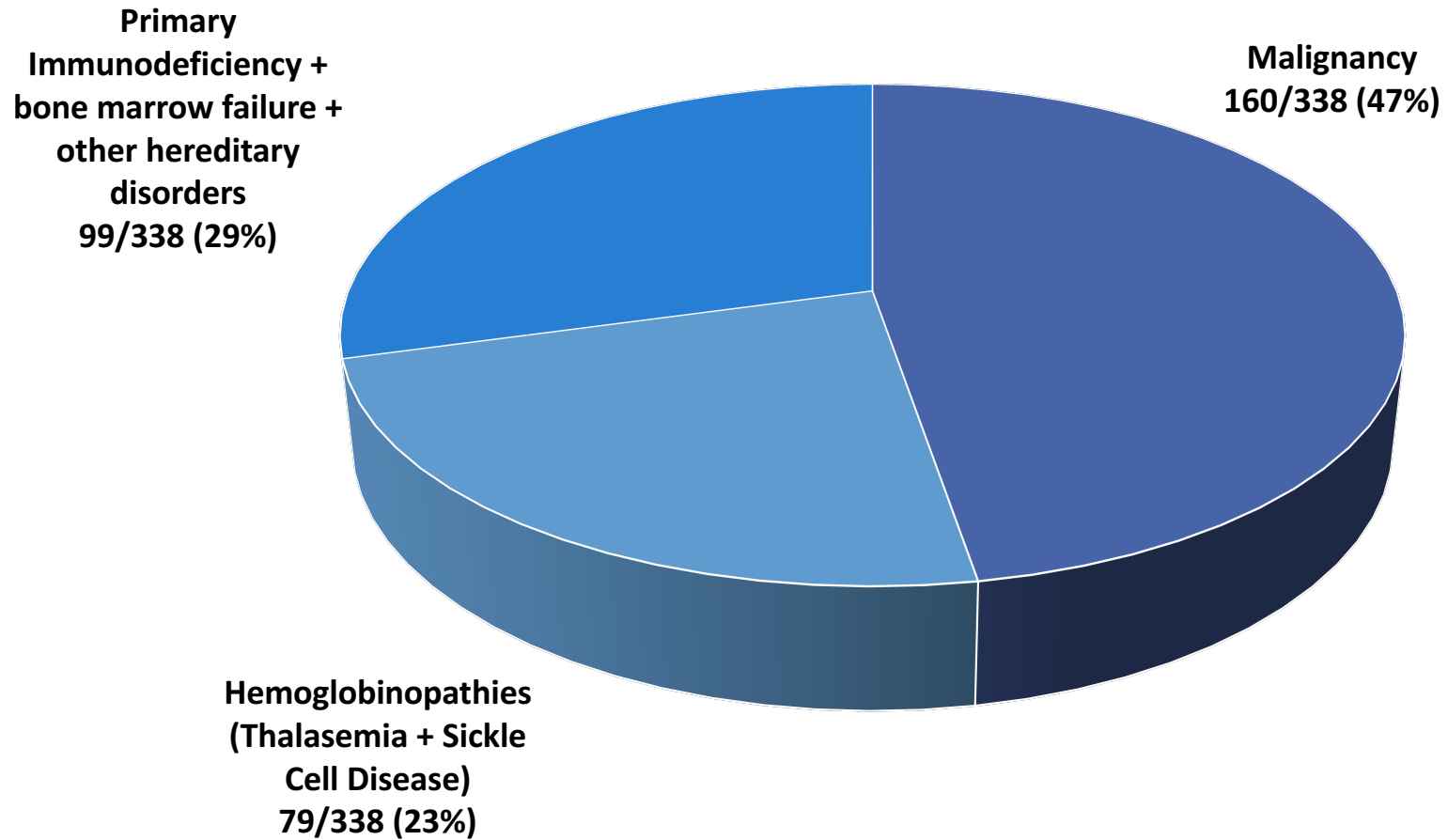
- Sultan Qaboos University Hospital; SQUH (1995)
 - Autologous
 - Allogeneic
- Royal Hospital; RH (2014)
 - Autologous

BONE MARROW TRANSPLANT PROGRAM
Department of Hematology, Sultan Qaboos University Hospital

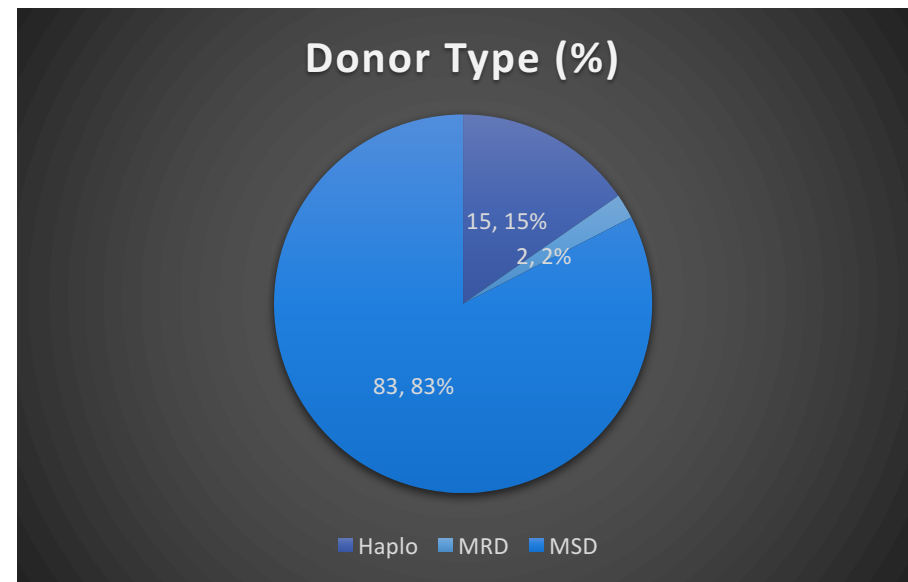
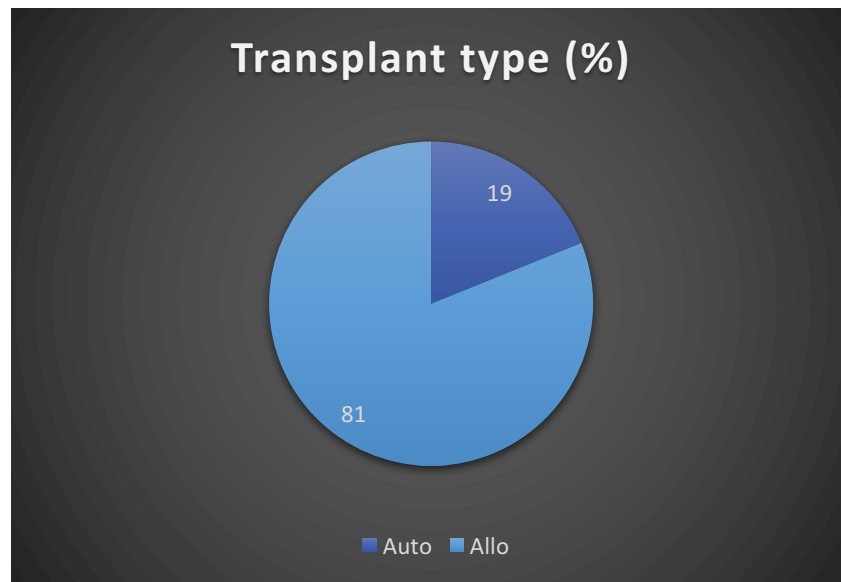


BONE MARROW TRANSPLANT PROGRAM
Department of Hematology, Sultan Qaboos University 1995-Nov 2016

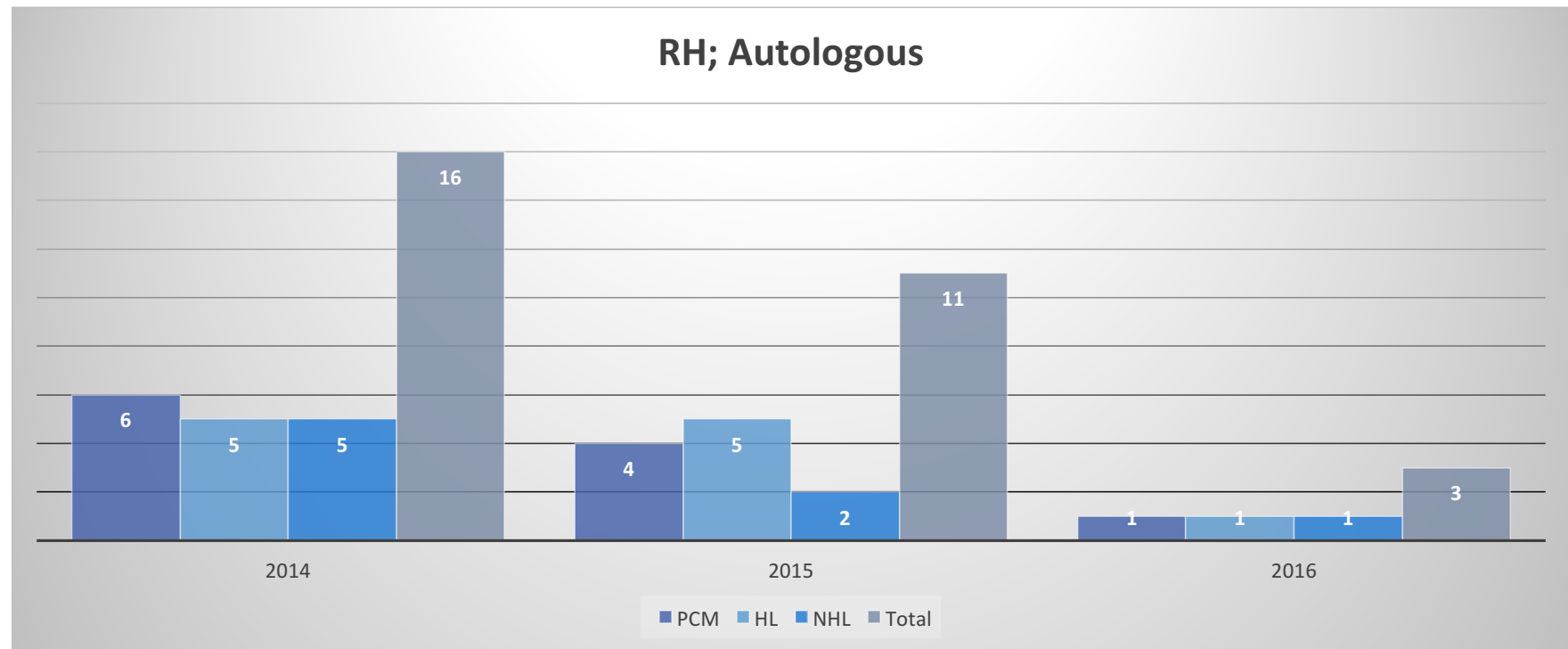
TRANSPLANT INDICATIONS



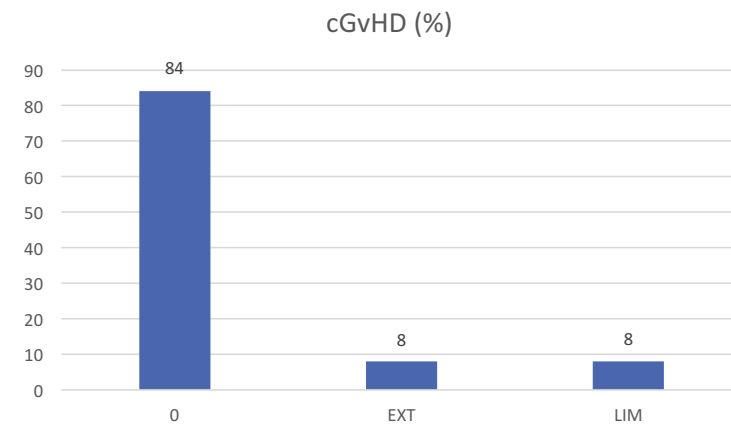
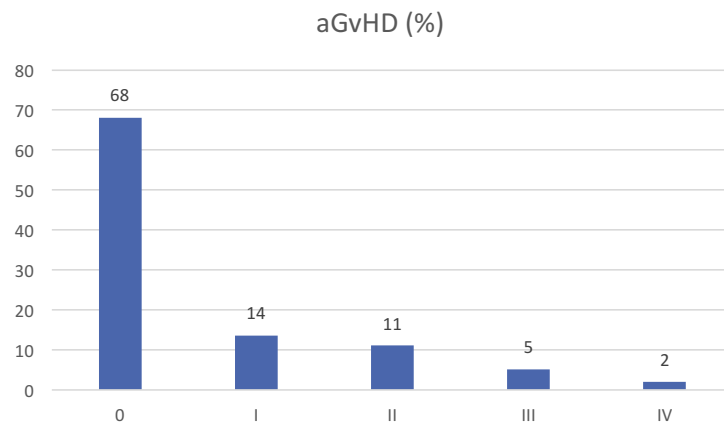
Type of Transplantation



Royal Hospital Transplantation Center



Graft Versus Host Disease



Infectious Diseases

- High prevalence of HBV core Antibody positive patients
- Small percentage of active HCV with high viral load post BMT
- High incidence of multidrug resistant bacteria
- High incidence of CMV reactivation

Cost and Coverage of HSCT

- Coverage:
 - All cost covered for Omanis
 - Non-Omanis: Paid by other agencies/Insurance
- Cost:
 - Allogeneic: 30,000 RO
 - Autologous: 12,000 RO

Obstacles

- Bed availability (currently 4-bedded unit).
- Timely availability of some non-formulary medications (eg. treosulfan, thiotepa).
- Timely availability of T-depletion antibodies.
- Non availability of Extracorporeal Photopheresis.
- Travel distance for patients with frequent visits early post HSCT.

Participation in International Registries

- Member: EMBMT
- Associate member: EBMT

Areas of Active Research

- Clinical: Mostly single center retrospective/cross sectional studies
 - Quality of life post BMT (SCD, others)
 - Stable Mixed Chimerism in SCD
 - Busulfan Pharmacokinetics and pharmacogenetics
- Basic science:
 - Epigenetics of mesenchymal Stem Cells Expanded by a bioreactor vs. manual culture

Quality Management and Accreditation

- HSCT specific SOPs (SQUH)
- Hospital: ACI accreditation
- Hematology laboratory: RCPA External QAP
- No JAICE, FACT or AABB accreditation yet for the BMT center.

Future

- New National Transplant Center (22-bed unit; combined pediatric and adult allogeneic)
- Autologous HSCT Center included.
- National Cord Blood Bank.
- Unrelated Registry.
- Better staffing.
- Data managers.
- Reporting data to EBMT.
- Accreditation (AABB as part of blood bank accreditation; JAICE/FACT).

Thanks

Murtadha Al-Khabori, SQUH, Oman