



 **ABBREVIATIONS**

(-) = negative

(+) = positive

## A

AA = aplastic anaemia

ABMTR = Autologous Bone Marrow Transplant Registry

ADA = adenosine deaminase

ADs = autoimmune diseases

AE = adverse event

Ag = antigen

aGvHD = acute graft versus host disease

AI = alloimmunisation

AL = acute leukaemia

AL amyloid = primary (or immunoglobulin light-chain) amyloidosis

ALCL = anaplastic large cell lymphoma

ALL = acute lymphoblastic leukaemia

allo-HSCT = allogeneic haematopoietic stem cell transplant

ALWP = Acute Leukaemia Working Party

AmB = amphotericin B

AML = acute myeloid leukaemia

ANC = absolute neutrophil count

AP = accelerated phase

APCs = antigen presenting cells

APl = acute promyelocytic leukaemia

APTT = activated partial thromboplastin time

ARA-C = cytosine arabinoside

ASR = annual safety report

ATD = adult therapeutic dose

ATG = antithymocyte globulin

ATRA = all-trans retinoic acid

auto-HSCT = autologous haematopoietic stem cell transplant

AVN = avascular necrosis of bone

## B

BAL = broncho-alveolar lavage

BC = blast crisis

BCNU = 1,3-bis(2-chloroethyl)-1-nitrosourea

BCSS = breast cancer-specific survival

BFM = Berlin-Frankfurt-Munster study group

BM = bone marrow  
 BMF = bone marrow failure  
 BMDW = Bone Marrow Donor Worldwide  
 BMT = bone marrow transplantation  
 BNLI = British National Lymphoma Investigation  
 BO = bronchiolitis obliterans  
 BOOP = bronchiolitis obliterans with organising pneumonia  
 Bu = busulfan  
 BUN = blood urea nitrogen

## C

CA = Competent Authority and National legislation  
 CARD15 = caspase recruitment domain family member 15  
 CB = cord blood  
 CBT = cord blood transplantation  
 CD = cluster designation  
 CFU-GM = colony forming unit granulocyte macrophage  
 CGPs = cytokine gene polymorphisms  
 cGvHD = chronic graft versus host disease  
 CI = cranial irradiation  
 CLL = chronic lymphocytic leukaemia  
 CLWP = Chronic Leukaemia Working Party  
 CLS = capillary leak syndrome  
 CML = chronic myeloid leukaemia  
 CMV = cytomegalovirus  
 CNS = central nervous system  
 CP = chronic phase  
 C-PI = coordinating principle investigator  
 CR = complete remission  
 CR1 = first complete remission  
 CsA/CSA = cyclosporin A  
 CSF = colony stimulating factor  
 CSI = craniospinal irradiation  
 CT = chemotherapy  
 CTA = Clinical Trial Authorisation  
 CT/RT = chemo-radiotherapy  
 CTL = cytotoxic T-lymphocytes  
 CTLp = cytotoxic T-lymphocyte precursor  
 CVC = central venous catheter

Cy = cyclophosphamide

## D

DAH = diffuse alveolar haemorrhage

DBA = Diamond-Blackfan anaemia

DC = dendritic cell

DFS = disease-free survival

DIC = disseminated intravascular coagulation

DKC = dyskeratosis congenita

DLBCL = diffuse large B-cell lymphoma

DLI = donor lymphocyte infusion

DLT = dose limiting toxicity

DMARDs = disease modifying antirheumatic drugs

DMSO = dimethylsulfoxide

## E

EBMT = European Group for Blood and Marrow Transplantation

EBV = Epstein-Barr virus

EC = Ethics Committee

ECIL = European Conference on Infections in Leukaemia

EES = extra-osseous Ewing's sarcoma

EFS = event-free survival

EPCs = endothelial progenitor cells

EPO = erythropoietin

ER $\alpha$  = estrogen receptor alpha

ERT = enzyme replacement therapy

ES = embryonic stem cells

ES = engraftment syndrome

ET = essential thrombocythaemia

EU = European Union

EULAR = European League against Rheumatism

EWOG-MDS = European working group on myelodysplastic syndromes

## F

FA = Fanconi anaemia

FAHCT = Foundation for Accreditation of Hematopoietic Cell Therapy

FFP = fresh frozen plasma

FHCRC = Fred Hutchinson Cancer Research Centre

FISH = fluorescent in situ hybridisation

FL = follicular lymphoma  
 FLC = free immunoglobulin light-chain  
 FLIPI = follicular lymphoma international prognostic index  
 Fluda = fludarabine  
 FNHTR = febrile non-haemolytic transfusion reactions

## G

G-CSF = granulocyte colony stimulating factor  
 GCT = germ cell tumour  
 GH = growth hormone  
 GHD = growth hormone deficiency  
 GI = gastrointestinal  
 GITMO = Gruppo Italiano Trapianto di Midollo Osseo  
 GM-CSF = granulocyte macrophage colony stimulating factor  
 GMP = good manufacturing practice  
 GnRH = gonadotrophin releasing hormone  
 GOELAMS = Groupe Ouest Est d'étude des Leucémies et Autres Maladies du Sang  
 GSH = glutathione  
 GT = granulocyte transfusions  
 GvHD = graft versus host disease  
 GvL = graft versus leukaemia

## H

HBV = hepatitis B virus  
 HC = haemorrhagic cystitis  
 HCMV = human cytomegalovirus  
 HCV = hepatitis C virus  
 HD = Hodgkin's disease  
 HDCT = high-dose chemotherapy  
 HDT = high-dose therapy  
 HEPA = high efficiency particle extraction  
 HHV6 = human herpes virus 6  
 HIV = human immunodeficiency virus  
 HLA = human leukocyte antigen  
 HmR = hormone receptors  
 HR = high-risk  
 HS = Hurler's syndrome  
 HSC = haematopoietic stem cell  
 HSCT = haematopoietic stem cell transplantation

HSV = herpes simplex virus  
 HSV-TK = herpes simplex virus 1-thymidine kinase  
 HTLV = human T-leukaemia virus  
 HUS = haemolytic uraemic syndrome  
 HVGP = hepatic venous gradient pressure

## **I**

IBMTR = International Bone Marrow Transplant Registry  
 IDWP = Infectious Diseases Working Party  
 IEM = inborn errors of metabolism  
 IFN = interferon  
 Ig = immunoglobulin  
 IGF = insulin-like growth factor  
 IGFBP-3 = insulin-like growth factor binding protein 3  
 IL = interleukin  
 IL-1Ra = interleukin 1 receptor antagonist  
 IMP = investigational medicinal product  
 IP = interstitial pneumonia  
 IPS = interstitial pneumonia syndrome  
 IPSS = International Prognostic Scoring System  
 IR = immune reconstitution  
 ITIM = immunoreceptor tyrosine-based inhibition motifs  
 IV = intravenous  
 IVIg = intravenous immunoglobulin

## **J**

JACIE = Joint Accreditation Committee EBMT-ISCT Europe  
 JIA = juvenile arthritis  
 JMML = juvenile myelomonocytic leukaemia

## **K**

KGF = keratinocyte growth factor  
 KIR = killer-cell inhibitory receptor

## **L**

LAP = leukaemia-associated phenotype  
 LC = immunoglobulin light-chain  
 LCT = long chain triglycerides  
 LDH = lactate dehydrogenase

LEWP = Late Effects Working Party  
LFS = leukaemia-free survival  
LGL = large granular lymphocytes  
LH = luteinising hormone  
LSCs = leukaemic stem cells  
LSDs = lysosomal storage diseases  
LSK = Lin-sca-1+c-kit+ cells  
LTC-ICs = long term culture-initiating cells  
LVEF = left ventricular ejection fraction

## **M**

MA = marketing authorisation  
MAH = marketing authorisation holder  
MAPCs = multipotent adult progenitor cells  
MBL = mannose binding lectin  
MC = mixed chimerism  
MCT = medium chain triglycerides  
MDS = myelodysplastic syndrome  
MEL = melphalan  
MethylPDN = methyl prednisolone  
MHA = microangiopathic haemolytic anaemia  
MHC = major histocompatibility complex  
MHag = minor histocompatibility antigens  
MMF = mycophenolate mofetil  
MM = multiple myeloma  
MMM = myelofibrosis with myeloid metaplasia  
MNC = mononuclear cells  
MoAb = monoclonal antibody  
MODS = multiple-organ dysfunction syndrome  
MOF = multi-organ failure  
MP = menopausal  
MPD = myeloproliferative disorders  
MPO = myeloperoxidase  
MRD = matched related donor  
MRD = minimal residual disease  
MRA = magnetic resonance angiography  
MRI = magnetic resonance imaging  
MS = multiple sclerosis  
MSC = mesenchymal stem cell

MTD = maximum tolerated dose  
 MTHFR = methylenetetrahydrofolate reductase  
 MTX = methotrexate  
 MUD = matched unrelated donor  
 MVA = modified vaccinia Ankara

## N

NBS = Nijmegen breakage syndrome  
 NHL = non-Hodgkin's lymphoma  
 NK = natural killer  
 NMDP = National Marrow Donor Program  
 NOD2 = nucleotide-binding oligomerisation domain containing 2  
 NOD/SCID = non-obese diabetic/severe combined immunodeficiency (mice)  
 NRM = non-relapse mortality

## O

OAS = optimal additive solution  
 OS = overall survival

## P

PAI-1 = plasminogen activator inhibitor-1  
 PB = peripheral blood  
 PBSC = peripheral blood stem cells  
 PBSCT = peripheral blood stem cell transplantation  
 PC = platelet concentrate  
 PCR = polymerase chain reaction  
 PCV = packed cell volume  
 PDN = prednisone / prednisolone  
 PFS = progression-free survival  
 PFT = pulmonary function test  
 Ph(+) = Philadelphia positive  
 PGD = preimplantation genetic diagnosis  
 PI = principal investigator  
 pNET = primitive neuroectodermal tumour  
 PNH = paroxysmal nocturnal haemoglobinuria  
 PNP = purine-nucleoside-phosphorylase  
 p.o. = per os  
 PR = partial remission  
 PRB = plasma reduced blood

PRCA = pure red cell aplasia  
PRCT = prospective randomised controlled trial  
PRD = primary refractory disease  
PRRs = pattern recognition receptors  
PS = performance status  
PT = prothrombin time  
PTCL = peripheral T-cell lymphoma  
PTLD = post-transplant lymphoproliferative disorder  
PV = polycythaemia vera  
PVD = peripheral vascular disease

## **Q**

QoL = quality of life

## **R**

RA = rheumatoid arthritis  
RAEB = refractory anaemia with excess of blasts  
RAEB-t = refractory anaemia with excess of blasts in transformation  
RC = refractory cytopenia  
REM = remission  
RI = relapse incidence  
RIA = radioimmune assay  
RIC = reduced intensity conditioning  
RMS = rhabdomyosarcoma  
RR = relapse risk  
RSV = respiratory syncytial virus  
RT = radiotherapy/irradiation

## **S**

SAA = severe aplastic anaemia  
SC = stem cell  
SCC = squamous cell carcinoma  
SCD = sickle cell disease  
SCF = stem cell factor  
SCID = severe combined immunodeficiency  
SCID-X1 = X-linked form of severe combined immunodeficiency  
SD = standard deviation  
SDCT = standard-dose chemotherapy  
SEC = sinusoidal endothelial cell

SHRT = sex hormone replacement therapy  
 SIB = sibling  
 SLE = systemic lupus erythematosus  
 SMC = stable mixed chimerism  
 SNPs = single nucleotide polymorphisms  
 SOS = sinusoidal obstruction syndrome  
 SP = side population  
 SRV = survival  
 SSc = scleroderma (systemic sclerosis)  
 SSL = small lymphocytic lymphoma  
 STRs = short tandem repeats

## T

TA = transfusion-associated  
 TBI = total body irradiation  
 TCD = T-cell depleted  
 TCR = T-cell receptor  
 TGF-beta = tumour growth factor beta  
 Th-1 = T helper  
 TKI = tyrosine kinase inhibitor  
 TNF = tumour necrosis factor  
 TLRs = toll like receptors  
 TMA = thrombotic microangiopathy  
 TMC = transient mixed chimerism  
 TPN = total parenteral nutrition  
 TREC = T-cell receptor rearrangement excision DNA circles  
 T<sub>reg</sub> = regulatory T-cells  
 TRM = transplant related mortality  
 TSH = thyroid stimulating hormone  
 TT = thiothepa  
 TTP = thrombotic thrombocytopenic purpura

## U

UCBT = umbilical cord blood transplantation  
 UD = unrelated donor  
 UD CBT = unrelated donor cord blood transplantation

## V

VDR = vitamin D receptor  
 VNTRs = variable number tandem repeats

VOD = veno-occlusive disease

VP/VP16 = etoposide

vs. = versus

VZV = varicella zoster virus

## **W**

WBC = white blood cell

WHO = World Health Organisation

WMDA = World Marrow Donor Association

WP = working party

## **Y**

yrs = years

## NOTES