CIC: ..... Hospital UPN: ..... Patient UIC ..... HSCT Date: .....
yyyy - mm - dd

HSCT - Minimum Essential Data - A

REGISTRATION - DAY 0

Centre Identification

EBMT Code (CIC): ..... Contact person: .....

Hospital: ..... Unit: ..... Email: .....

Patient Data

Date of this report: ..... First transplant for this patient?: ☐ Yes ☐ No
yyyy - mm - dd

Patient following national / international study / trial:

☐ No ☐ Yes: Name of study / trial ..... ☐ Unknown

Hospital Unique Patient Number or Code (UPN) .....

Compulsory, registrations will not be accepted without this item.

All transplants performed in the same patient must be registered with the same patient identification number or code as this belongs to the patient and <u>not</u> to the transplant.

Initials: ..... _ ..... (first name(s) _family name(s))

Date of birth: ..... Sex: ☐ Male ☐ Female
yyyy - mm - dd ***(at birth)***

Primary Disease Diagnosis

Date of initial diagnosis: .....
yyyy - mm - dd

PRIMARY DISEASE DIAGNOSIS *(CHECK THE DISEASE FOR WHICH THIS TRANSPLANT WAS PERFORMED)*

- ☐ Acute Leukaemia
  - ☐ Acute Myelogenous Leukaemia (AML) related Precursor Neoplasms
  - ☐ Precursor Lymphoid Neoplasms (old ALL)
- ☐ Therapy related myeloid neoplasms (old Secondary Acute Leukaemia)
- ☐ Chronic Leukaemia
  - ☐ Chronic Myeloid Leukaemia (CML)
  - ☐ Chronic Lymphocytic Leukaemia (CLL)
- ☐ Lymphoma
  - ☐ Non Hodgkin
  - ☐ Hodgkin's Disease
- ☐ Myeloma/Plasma cell disorder
- ☐ Solid Tumour
- ☐ Myelodysplastic syndromes / Myeloproliferative neoplasm
  - ☐ MDS
  - ☐ MDS/MPN
  - ☐ Myeloproliferative neoplasm
- ☐ Bone marrow failure including Aplastic anaemia
- ☐ Inherited disorders
  - ☐ Primary immune deficiencies
  - ☐ Metabolic disorders
- ☐ Histiocytic disorders
- ☐ Autoimmune disease
  - ☐ Juvenile Idiopathic Arthritis
  - ☐ Multiple Sclerosis
  - ☐ Systemic Lupus
  - ☐ Systemic Sclerosis
- ☐ Haemoglobinopathy

☐ Other diagnosis, specify: _____

MYELOPROLIFERATIVE NEOPLASMS (MPN) (main disease code 6)

Disease

Date of Initial Diagnosis: ----------
yyyy - mm - dd

- ☐ Primary myelofibrosis *(Chronic idiopathic myelofibrosis; fibrosis with myeloid metaplasia)*
- ☐ Polycythaemia vera
- ☐ Essential or primary thrombocythaemia
- ☐ Hyper eosinophilic syndrome (HES)
- ☐ Chronic eosinophilic leukaemia (CEL)
- ☐ Chronic neutrophilic leukaemia
- ☐ Systemic mastocytosis
- ☐ Mast cell leukaemia
- ☐ Mast cell sarcoma
- ☐ MPN not otherwise specified
- ☐ Other, specify:_____

- ☐ Myeloid and lymphoid neoplasms with FGFR1 abnormalities *(Stem cell leukaemia-lymphoma syndrome, 8p11 syndrome)*

Secondary Origin?

Secondary origin:

- ☐ Yes : Disease related to prior exposure to therapeutic drugs or radiation
- ☐ No
- ☐ Unknown

Risk Score

IPSS Risk score for Myelofibrosis

☐ Low risk ☐ Intermediate-1 ☐ Intermediate-2 ☐ High risk ☐ Not Evaluated ☐ Unknown

CIC: ..... Hospital UPN: ..... Patient UIC ..... HSCT Date: .....
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MYELOPROLIFERATIVE NEOPLASMS (MPN) (main disease code 6)

Chromosome Analysis at Diagnosis

Chromosome analysis at diagnosis

☐ Not done or failed ☐ Done: Normal ☐ Done: Abnormal ☐ Unknown

If abnormal:

Complex kariotype: ☐ No ☐ Yes ☐ Unknown
(3 or more abnormalities)

You can transcribe the complete karyotype: .....
OR

Indicate below those abnormalities that have been **evaluated** and whether they were **Absent** or **Present**

Abn 1, specify	☐ Absent ☐ Present ☐ Not evaluated
Abn 5, specify	☐ Absent ☐ Present ☐ Not evaluated
Abn 7, specify	☐ Absent ☐ Present ☐ Not evaluated
trisomy 8	☐ Absent ☐ Present ☐ Not evaluated
trisomy 9	☐ Absent ☐ Present ☐ Not evaluated
Del 20	☐ Absent ☐ Present ☐ Not evaluated
Del 13	☐ Absent ☐ Present ☐ Not evaluated
Other, specify	☐ Absent ☐ Present ☐ Not evaluated

Molecular Markers at Diagnosis

☐ Not evaluated ☐ Evaluated: Absent ☐ Evaluated: Present ☐ Unknown

Indicate below those markers that have been **evaluated** and whether they were **Absent** or **Present**

BCR-ABL	☐ Absent ☐ Present ☐ Not evaluated	
JAK2 mutation	☐ Absent ☐ Present ☐ Not evaluated	If present: Allele burden % .....
cMPL mutation	☐ Absent ☐ Present ☐ Not evaluated	
Cal Reticulin mutation	☐ Absent ☐ Present ☐ Not evaluated	
FIP1L1-PDGFR	☐ Absent ☐ Present ☐ Not evaluated	
Other, specify	☐ Absent ☐ Present ☐ Not evaluated	

MYELOPROLIFERATIVE NEOPLASMS (MPN) (main disease code 6)

Status at HSCT

Date of this HSCT: ----------
yyyy - mm - dd

WHO Classification at HSCT:

- ☐ Primary myelofibrosis *(Chronic idiopathic myelofibrosis; fibrosis with myeloid metaplasia)*
- ☐ Polycythaemia vera
- ☐ Essential or primary thrombocythaemia
- ☐ Hyper eosinophilic syndrome (HES)
- ☐ Chronic eosinophilic leukaemia (CEL)
- ☐ Chronic neutrophilic leukaemia
- ☐ Systemic mastocytosis
- ☐ Mast cell leukaemia
- ☐ Mast cell sarcoma

- ☐ Myeloid and lymphoid neoplasms with FGFR1 abnormalities *(Stem cell leukaemia-lymphoma syndrome, 8p11 syndrome)*
- ☐ Transformed to myelofibrosis from PV/ET: Date of transformation ----------
- ☐ Transformed to AML: Date of transformation ----------
yyyy - mm - dd

Risk Score

DIPSS Risk score for Myelofibrosis

☐ Low risk ☐ Intermediate-1 ☐ Intermediate-2 ☐ High risk ☐ Not Evaluated

STATUS	**NUMBER**
Treated with chemotherapy: ☐ Primary refractory phase (no change)	
☐ Complete remission (CR)	☐ 1st ☐ 2nd ☐ 3rd or higher
☐ Improvement but no CR	
☐ Relapse (after CR)	☐ 1st ☐ 2nd ☐ 3rd or higher
☐ Progression/worse ☐ Never treated (Supportive care or treatment without chemotherapy)	

CIC: ..... Hospital UPN: ..... Patient UIC ..... HSCT Date: .....
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HSCT

Performance score system used ☐ Karnofsky ☐ Lansky

Score ☐ 10 ☐ 20 ☐ 30 ☐ 40 ☐ 50 ☐ 60 ☐ 70 ☐ 80 ☐ 90 ☐ 100

Weight (kg): ..... **Height (cm):** .....

Comorbidity Index

Sorror et al., Blood, 2005 Oct 15; 106(8): 2912-2919: *http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1895304/*

Was there any ***clinically significant*** co-existing disease or organ impairment at time of patient assessment just prior to the preparative regimen?

☐ No ☐ Yes

Comorbidity	Definitions	No	Yes	N/E
Solid tumour, previously present	Treated at any time point in the patient's past history, excluding non-melanoma skin cancer Indicate type	☐	☐	☐
Infammatory bowel disease	Crohn's disease or ulcerative colitis	☐	☐	☐
Rheumatologic	SLE, RA, polymyositis, mixed CTD, or polymyalgia rheumatica	☐	☐	☐
Infection	Requiring continuation of antimicrobial treatment after day 0	☐	☐	☐
Diabetes	Requiring treatment with insulin or oral hypoglycaemics but not diet alone	☐	☐	☐
Renal: moderate/severe	Serum creatinine > 2 mg/dL or >177 µmol/L, on dialysis, or prior renal transplantation	☐	☐	☐
Hepatic: mild	Chronic hepatitis, bilirubin between Upper Limit Normal (ULN) and 1.5 x the ULN, or AST/ALT between ULN and 2.5 × ULN	☐	☐	☐
moderate/ severe	Liver cirrhosis, bilirubin greater than 1.5 × ULN, or AST/ALT greater than 2.5 × ULN	☐	☐	☐
Arrhythmia	Atrial fibrillation or flutter, sick sinus syndrome, or ventricular arrhythmias	☐	☐	☐
Cardiac	Coronary artery disease, congestive heart failure, myocardial infarction, EF ≤ 50%, or shortening fraction in children (<28%)	☐	☐	☐
Cerebrovascular disease	Transient ischemic attack or cerebrovascular accident	☐	☐	☐
Heart valve disease	Except mitral valve prolapse	☐	☐	☐
Pulmonary: moderate	DLco and/or FEV1 66-80% or dyspnoea on slight activity	☐	☐	☐
severe	DLco and/or FEV1 ≤ 65% or dyspnoea at rest or requiring oxygen	☐	☐	☐
Obesity	Patients with a body mass index > 35 kg/m2	☐	☐	☐
Peptic ulcer	Requiring treatment	☐	☐	☐
Psychiatric disturbance	Depression or anxiety requiring psychiatric consultation or treatment	☐	☐	☐

Were there any other major clinical abnormalities prior to the preparative regimen? Specify.....

Type of HSCT (Autologous)

☐ **Autologous**

Source of the Stem cells *(check all that apply):*

☐ Bone marrow ☐ Peripheral blood

☐ Cord blood ☐ Other: ----------

Graft manipulation ex-vivo
other than for RBC removal or volume reduction

☐ No ☐ Yes: Genetic manipulation of the graft: ☐ No ☐ Yes:

⇨ **IF AUTOLOGOUS, CONTINUE TO "CHRONOLOGICAL NUMBER OF HSCT"**

HSCT (Continued)

Chronological number of HSCT for this patient? | |

If >1, date of last HSCT before this one .....
yyyy - mm - dd

If >1, type of last HSCT before this one ☐ Allo ☐ Auto

If >1, was last HSCT peformed at another institution? ☐ No ☐ Yes: CIC if known .....
Name of the institution .....
City .....

⇨ If >1, please submit an Annual follow up form before proceeding, **giving the date of the subsequent transplant as the date of last contact**
(This is so we can capture relapse data and other events between transplants).

HSCT part of a planned multiple (sequential) graft protocol *(program)**?***

☐ No ☐ Yes

Preparative Regimen

Preparative (conditioning) **regimen given?**

☐ No *(Usually Paed Inherited Disorders only) Go to GvHD Prophylaxis*

☐ Yes

Drugs ☐ No ☐ Yes ☐ Unknown

(include any active agent be it chemo, monoclonal antibody, polyclonal antibody, serotherapy, etc.)

Specification and dose of the preparative regimen

TOTAL PRESCRIBED CUMULATIVE DOSE*

as per protocol:

DRUG (given before day 0)	DOSE	UNITS		
☐ Ara-C (cytarabine)		☐ mg/m2	☐ mg/kg	
☐ ALG, ATG (ALS/ ATS) Animal origin: ☐ Horse ☐ Rabbit ☐ Other, specify		☐ mg/m2	☐ mg/kg	
☐ Bleomycin		☐ mg/m2	☐ mg/kg	
☐ Busulfan ☐ Oral ☐ IV ☐ Both		☐ mg/m2	☐ mg/kg	☐ mg x hr/L ☐ micromol x min/L ☐ mg x min/mL
☐ BCNU		☐ mg/m2	☐ mg/kg	
☐ Bexxar (radio labelled MoAB)		☐ mCi	☐ MBq	
☐ CCNU		☐ mg/m2	☐ mg/kg	
☐ Campath (AntiCD 52)		☐ mg/m2	☐ mg/kg	
☐ Carboplatin		☐ mg/m2	☐ mg/kg	☐ mg x hr/L ☐ micromol x min/L ☐ mg x min/mL
☐ Cisplatin		☐ mg/m2	☐ mg/kg	
☐ Clofarabine		☐ mg/m2	☐ mg/kg	
☐ Corticosteroids		☐ mg/m2	☐ mg/kg	
☐ Cyclophosphamide		☐ mg/m2	☐ mg/kg	
☐ Daunorubicin		☐ mg/m2	☐ mg/kg	
☐ Doxorubicin (adriamycine)		☐ mg/m2	☐ mg/kg	
☐ Epirubicin		☐ mg/m2	☐ mg/kg	
☐ Etoposide (VP16)		☐ mg/m2	☐ mg/kg	
☐ Fludarabine		☐ mg/m2	☐ mg/kg	
☐ Gemtuzumab		☐ mg/m2	☐ mg/kg	
☐ Idarubicin		☐ mg/m2	☐ mg/kg	
☐ Ifosfamide		☐ mg/m2	☐ mg/kg	
☐ Imatinib mesylate		☐ mg/m2	☐ mg/kg	
☐ Melphalan		☐ mg/m2	☐ mg/kg	
☐ Mitoxantrone		☐ mg/m2	☐ mg/kg	
☐ Paclitaxel		☐ mg/m2	☐ mg/kg	
☐ Rituximab (mabthera, antiCD20)		☐ mg/m2	☐ mg/kg	
☐ Teniposide		☐ mg/m2	☐ mg/kg	
☐ Thiotepa		☐ mg/m2	☐ mg/kg	
☐ Treosulphan		☐ mg/m2	☐ mg/kg	
☐ Zevalin (radiolabelled MoAB)		☐ mCi	☐ MBq	
☐ Other radiolabelled MoAB Specify		☐ mCi	☐ MBq	
☐ Other MoAB, specify		☐ mg/m2	☐ mg/kg	
☐ Other, specify		☐ mg/m2	☐ mg/kg	

**Report the total prescribed cumulative dose as per protocol. Multiply daily dose in mg/kg or mg/m² by the number of days; e.g. for Busulfan given 4mg/kg daily for 4days, total dose to report is 16mg/kg*

**AUC = Area under the curve

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Total Body Irradiation (TBI) ☐ No ☐ Yes : Total prescribed radiation dose as per protocol ..... Gy

Number of fractions ..... over ..... radiation days

TLI, TNI, TAI ☐ No ☐ Yes : Total prescribed radiation dose as per protocol ..... Gy

(lymphoid, nodal, abdominal)

Survival Status

Survival Status on date of HSCT

☐ Alive ☐ Dead

☐ Patient died between administration of the preparative regimen and date of HSCT

Main Cause of Death *(check only one main cause):*

- ☐ Relapse or Progression/Persistent disease
- ☐ HSCT Related Cause
- ☐ Unknown
- ☐ Other .....

Contributory Cause of Death *(check as many as appropriate):*

- ☐ GVHD
- ☐ Interstitial pneumonitis
- ☐ Pulmonary toxicity
- ☐ Infection:
  - ☐ bacterial
  - ☐ viral
  - ☐ fungal
  - ☐ parasitic
  - ☐ Unknown
- ☐ Rejection/Poor graft function
- ☐ History of severe Veno occlusive disorder (VOD)
- ☐ Haemorrhage
- ☐ Cardiac toxicity
- ☐ Central nervous system (CNS) toxicity
- ☐ Gastrointestinal (GI) toxicity
- ☐ Skin toxicity
- ☐ Renal failure
- ☐ Multiple organ failure
- ☐ Other, specify .....