Supplemental digital content: detailed description of all data collected (2 pages)
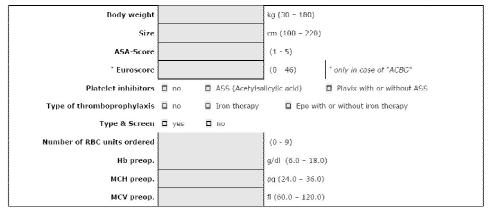
Blood Components Benchmarking
nata.blood.co.at

CRF V1.0 / Nr. 0001

NATA

Checklist

PREOP.	1. Online registration of patient at https://nata.blood.co.at	☐
	2. Enter Case ID on the patient list and the CRF	☐
	3. Capture preoperative data → Enclose CRF to patient record	☐
INTRAOP.	4. Capture intraoperative data → Enclose CRF to patient record	☐
POSTOP.	5. Capture postoperative data → Send CRF to responsible physician	☐
	6. Capture all data (PRE/INTRA/POST) via web system	☐
	7. Check & sign data → Archive CRF in trial folder	☐

Registration

Case ID	Number of centre	Indication	Number of patient
	_ _	_ _ _ _	_ _ _

Given name _____

Name _____

Gender ☐ m   ☐ f

Surgery date ___.___.___ [dd.mm.yyyy]

Redo surgery ☐ yes   ☐ no

Age [____] years (18 – 110)

Criteria for exclusion			Indication	
	yes	no		
Age < 18 years	☐	☐	Total hip replacement (THR)	☐
Emergency surgery	☐	☐	Total knee replacement (TKR)	☐
Coagulation dysfunction	☐	☐	Aortocoronary bypass graft (ACBG)	☐

_____   _____   _____
Name   *Date*   *Signature*

Preoperative data

Captured via web system? ☐

Body weight	[____]	kg (30 – 180)
Size	[____]	cm (100 – 220)
ASA-Score	[____]	(1 - 5)
* Euroscore	[____]	(0 - 46) *only in case of "ACBG"*
Platelet inhibitors	☐ no ☐ ASS (Acetylsalicylic acid) ☐ Plavix with or without ASS	
Type of thromboprophylaxis	☐ no ☐ Iron therapy ☐ Epo with or without iron therapy	
Type & Screen	☐ yes ☐ no	
Number of RBC units ordered	[____]	(0 - 9)
Hb preop.	[____]	g/dl (6.0 – 18.0)
MCH preop.	[____]	pg (24.0 – 36.0)
MCV preop.	[____]	fl (60.0 – 120.0)

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Intraoperative data   Captured via web system? ☐

Surgical technique	☐ conventional ☐ minimal invasive	
* Tourniquet	☐ yes ☐ no	* only in case of "TKR"
* Duration of surgery	___ min (30 - 300)	* cut to suture
* Number of grafts	___ (0 - 3)	* only in case of "ACBG"
* Extracorporeal circulation (ECC)	☐ yes ☐ no	
** Duration of ECC	___ min (10 - 240)	** only in case of "ACBG" + ECC
Tranexamic acid	☐ yes ☐ no	
Cell Salvage	___ ml (0 - 9999)	
Unwashed shed blood	☐ yes ☐ no	
Type of anaesthesia	☐ general anaesthesia ☐ regional anaesthesia ☐ both	
Allogeneic RBC transfused	___ Number of units (0 – 30)	
Autologous RBC transfused	___ Number of units (0 – 30)	
FFP	___ Number of units (0 – 30)	
Platelet concentrates	___ Number of PLT (0 – 9)	
* Coagulation factor concentrates	☐ yes ☐ no	* Coagulation concentrate
* Hb postop.	___ g/dl (6.0 – 18.0)	* optional
* Estimated blood loss	___ ml (0 – 9999)	* optional

Postoperative data   Captured via web system? ☐

Allogeneic RBC transfused	___ Number of units (0 – 30)	
Autologous RBC transfused	___ Number of units (0 – 30)	
FFP	___ Number of units (0 – 30)	
Platelet concentrates	___ Number of PLT (0 – 9)	
* Coagulation factor concentrates	☐ yes ☐ no	* Coagulation concentrate
Hb POD 3	___ g/dl (6.0 – 18.0)	
* Hb POD 5	___ g/dl (6.0 – 18.0)	* or nearest po.d.
Length of stay	___ days (1 - 99)	
Complications	☐ none ☐ Multiple organ failure ☐ neurological ☐ Bleeding (requiring further surgery) ☐ cardiovascular ☐ Others ☐ infection	