

Welcome to the EBMT survey of sHLH/MAS post-HSCT or CART therapy. Please complete the following questions regarding adult patients (aged 18 and over) managed in your centre in 2016, 2017 and 2018 inclusive.

Qu	estion (	(Q) 1 t	o 4 : id	lentific	cation o	of cent	res				
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C	How mar entre bet or your C	ween 20	016-201	8 inclus	ive (we						
	0	1	2	3	4	5	6	7	8	9	10
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<b>Q7</b> . ⊦	łave you	perform	ned CAF	R-T thera	apy in yo	our cent	re?				
	© <sub>N</sub>	о <sup>©</sup> Y	'es								
If y	<b>Q7a.</b> PI			otal num	-				AR-T th	erapy (d	on or off
	<b>Q7b.</b> Hoyour o			of sHLF 2016-20			g CAR-	T thera	py, are	you awa	are of in
	0	1	2	3 4	1 5	6	7	8	9	10	
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Q8. In your programme, do you use published criteria for sHLH/MAS to support diagnosis post HSCT and CAR-T cell therapy?
No    C   Yes     Yes     No    C   Yes     No   Xes     No    C   Yes
if yes. Which published criteria are you using ? (see below for details of criteria) (Tick all that apply)
HLH-2004 criteria (Henter et al, 2007) H-score (Fardet et al, 2014) HLH/MAS post-HSCT criteria (Takagi et al, 2009) PRINTO (Ravelli et al, 2016)
MD Anderson criteria (FOR CAR-T only) (Neelapu et al, 2018) Other, specify
Q9. In your programme, do you have an approved protocol or SOP to pre-emptively screen for sHLH/MAS in patients post-HSCT or CAR-T cell therapy?
No      Yes
<b>Q9.a</b> . <b>Autologous</b> HSCT: do you have an approved protocol or SOP to pre-emptively screen for sHLH/MAS in patients post-autologous HSCT?
<ul> <li>No</li> <li>Yes, when the clinical picture is suspicious for sHLH/MAS</li> <li>Yes, routinely</li> </ul>
Q9.a (i). Frequency of screening after autologous HSCT
Daily Weekly Fortnightly (every 2 weeks) Monthly Other
Q9.a (ii). For how long do you screen these patients after autologous HSCT?

3 months 6 months 12 months Other Other  Q9.b Allogeneic HSCT: do you have an approved protocol or SOP to pre-emptively
screen for sHLH/MAS in patients post-allogeneic HSCT?  No Yes, when the clinical picture is suspicious for sHLH/MAS Yes, routinely
Q9.b (i). Frequency of screening after allogeneic HSCT  Daily  Weekly  Fortnightly (every 2 weeks)  Monthly Other  Q9.b (ii). For how long do you screen these patients after allogeneic HSCT?
C 3 months C 6 months C 12 months C Other Other  Q9.c CAR-T: do you have an approved protocol or SOP to pre-emptively screen for sHLH/MAS in patients post-CAR-T therapy?
<ul> <li>No</li> <li>Yes, when the clinical picture is suspicious for sHLH/MAS</li> <li>Yes, routinely</li> </ul>
Q9.c (i). Frequency of screening after CAR-T therapy  Daily  Weekly  Fortnightly (every 2 weeks)

Monthly Other
Q9.c (ii) For how long do you screen these patients after CAR-T therapy?  3 months  6 months  12 months  Other
Q10. Do any clinical or laboratory features help you differentiate between sHLH/MAS and severe cytokine-release syndrome (CRS) following CAR-T therapy?
Q11. If you do perform screening, what are your screening markers? (Tick all that apply)
Serum ferritin Soluble CD25/sIL-2r
NK cell activity Other
Q11.a Serum ferritin: please indicate what measurement is considered a significant result
Q11.b Soluble CD25/sIL-2r : please indicate what measurement is considered a significant result
Q11.c NK cell activity: please indicate what measurement is considered a significant result
Q11.d.For other drugs: please indicate what measurement is considered a significant result for each drug
Q12. If you use ferritin, what is your cut off to help determine likelihood of sHLH/MAS (free text)?
Q13. Do you have an approved protocol or SOP to treat sHLH/MAS in patients post-HSCT and CAR-T cell therapy?

C No C Yes
Q13.a. If yes, describe its basis e.g. does it follow international recommendation for management of sHLH/MAS? Specify which.
$\ensuremath{\mathbf{Q14.}}$ In your programme, which agents would/do you use to treat sHLH/MAS? (tick all that apply)
Corticosteroids
Monoclonal antibody therapy (e.g. rituximab, alemtuzumab, emapalumab other please specify)
Chemotherapy (e.g. etoposide, methotrexate, other please specify)
JAK inhibitors (e.g. baricitinib, other please specify)
Cytokine blockade (e.g. tocilizumab, siltuximab, anakinra)
Other supportive care, please specify
Q14.a Please specify which one(s)
Q14.b If you use corticosteroids
C IV pulses only
□ IV followed by oral
Oral only Other
Q15. If you have indicated that you have managed cases of sHLH/MAS following HSC7 or CAR-T therapy, are you happy to be contacted in the future about a retrospective study of these patients?
C <sub>No</sub>
Yes
C Other