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### Critical Errors in the 2017 Qualitative EQA schemes

All critical errors for the 2017 schemes were agreed at the SAB meetings held on 23<sup>rd</sup> November 2017, Leiden and 22<sup>nd</sup> & 23<sup>rd</sup> March 2018 in Barcelona, Spain.

EQA scheme			Diagnosis	Error	Number of CE	No of participants <sup>2</sup>	% CE
Scheme Name <sup>1</sup>	Sample Number	Scheme Year					
ACDB Heidelberg	2017.04	2017	cobalamin A deficiency	failing to identify elevated C3-carnitine or any noticeable ratios and giving a normal diagnosis without recommending organic acid analysis in urine	1	37	2.7%
ACDB London	-	2017	-	-	0	39	0.0%
ACDB Zurich	-	2017	-	-	0	36	0.0%
CDG	2017.01	2017	PGM1-CDG OMIM: 171900	failure to make the correct diagnosis	1	62	1.6%
DPT CH	-	2017	-	-	0	21	0.0%
DPT CZ	C	2017	aspartylglucosaminuria	failure to recognize excretion of aspartylglucosamine in OLS and/or am	1	20	5.0%
	D		MCAD deficiency	failure to recognize abnormal excretion of glycine conjugates without	1		
DPT FR	D	2017	GM1 gangliosidosis - beta-galactosidase deficiency (GLB1 gene - OMIM *611458)	diagnosing HHH syndrome without mentioning the possibility of a lysosomal storage disorder on the clinical presentation	1	24	4.2%
DPT NL	2017.05	2017	GM1	failure to detect abnormal oligo or to recommend oligo analysis	1	20	5.0%
DPT UK	F	2017	Tyrosinaemia Type 1	failing to detect succinylacetone	2	22	9.1%
QLOU Heidelberg	-	2017	-	-	0	109	0.0%
QLOU Sheffield	248	2017	MCADD	failed to identify the MCADD profile	4	104	3.8%
UMPS	-	2017	-	-	0	92	0.0%
<b>Totals</b>					<b>12</b>	<b>586</b>	<b>2.0%</b>

#### Notes

1. ACDB = Acylcarnitines in DBS Heidelberg; ACDB London = Acylcarnitines in DBS London; ACDB Zurich = Acylcarnitines in DBS Zurich DPT CH = Diagnostic Proficiency Testing Switzerland; DPT CZ = DPT Czech Republic; DPT FR = DPT France; DPT NL = DPT Netherlands; DPT UK = DPT United Kingdom; QLOU Heidelberg = Qualitative Organic Acids Heidelberg; QLOU Sheffield = Qualitative Organic Acids Sheffield; UMPS = Urine Mucopolysaccharides
2. Number of participants = number of registered labs minus any Educational participants, non- or partial submitters and any labs that withdrew from the scheme