INSTRUCTION FOR SURVEY CLINICAL CASE STUDY
Survey 01, Cycle 2023

1. GENERAL INFORMATION

EQA Provider:	ESfEQA Heidelberg, Germany
Study Coordinator:	Dr. Dieter Groche, ESfEQA
Scientific Advisor:	Prof. Dr. Markus Herrmann, Graz, Austria
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Survey Identification:	CASE_2023_01
Deadline for data entry:	February 13th, 2022

Results from this case analysis may only be disclosed to colleagues from other laboratories after the testing period has been concluded.

By registering for and participating in this EQA participants agree to accept the general terms and conditions of ESfEQA GmbH. These can be retrieved online at www.esfeqa.eu.

2. INTENDED USE

The ESfEQA program 'Clinical Case Study' focuses on the interpretation of the analytical data and intends to support and to strengthen the skills of the staff to draw the appropriate conclusions out of the analytical results.

Each survey of the 'Clinical Case Study' program provides anonymized clinical data of an individual person.

3. PATIENT DATA

Patient:	9-year-old boy from Syria
Clinical report upon admission:	with prominent zygomatic bones, dwarfism and carious teeth

Analytical Results (in brackets reference range)

Erythrocytes	3.9 x10^{12}/L (3.9-5.1)	Thrombocytes	364 G/L (150-450)
Hb	8.1 g/dL (11.5-15.5)	Leucocytes	6.2 G/L (5.5-15)
MCV	50 fl (77-95)	Transferrin	1.52 g/L (2.4-3.6)
MCH	22 pg (25-33)		

4. ANALYIS OF PATIENT DATA

Question	Possible Answers
Suspected diagnosis?	Hemorrhage anemia in hemophilia A, iron deficiency, thalassemia, vitamin B12 or folate deficiency
Which parameters and notes support your tentative diagnosis primarily?	Hb, thrombocytes, MCV, Mentzer index < 13, Transferrin
What other tests should be ordered?	Ferritin, folate and vitamin B12, DNA analysis, Hb-electrophoresis, blood smear, FVIII
Please indicate therapeutic option(s) if your diagnosis is confirmed?	Vitamin B12 and/or folate substitution, no therapy necessary, iron supplementation, blood transfusion, FVIII substitution

Please select the 'next entry' button in the TEQA web application and select the appropriate answers from the checkbox lists. Several answers can be applicable for each question.

Submit your results in TEQA by pressing the 'confirm' button.