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Request form

Children's Hospital
Department of Pediatrics,
Adolescent Medicine and Neonatology
Prof. Dr. med. U. Spiekerkötter
Chair and Medical Director of Pediatrics

Patient data (block letters) Name:						
First name:						
Date of birth:						
Gender: □ f □ m □ n						
Date of sample collection:	Sample labeling: Name, First Name, Date of Birth					
Clinical information/diagnostic indication	ns (essential for interpretation of test results)					
Medication/infusions	□ no □ yes (please specify)					
Special diet	□ no □ yes (please specify)					
Clinical findings: Ataxia	Pathological findings: Acidosis [pH, BE] Anion gap [mmol/l] CK [U/l] Hyperammonaemia [µmol/l] Hypoglycaemia [mg/dl] Ketonuria Lactic acidaemia [mmol/l] Liver enzymes [U/l] Miscellaneous:					
Sender (name, full postal address)	Name of referring physician (block letters) Phone E-Mail address Date/Signature					

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Metabolic requests: ☐ Basic screening: Acylcarnitines (DB), amino acids (S)¹, organic acids (U)⁴, simple metabolic tests (U)⁴				
Special requests:				
□ Acylcarnitines (DB)				
 □ Acylcarnitines (S)¹ □ Acylcarnitines (U)⁴ 				
□ Adenosindesaminase 2 (ADA 2)-activity (WB) ^{3,5,9} (Requires declaration of consent on page 3)				
□ S-Adenosylmethionine/S-Adenosylhomocysteine (SAM/SAH) (P) ^{2,7}				
□ Alpha-aminoadipate semialdehyde (U) ^{4,8}				
Amino acids quantitative (CSF) ^{1,7}				
 □ Amino acids quantitative (S)¹ □ Amino acids quantitative (U)⁴ 				
□ CDG-diagnostics (S) ¹				
□ 7-Dehydrocholesterol (S)¹				
□ Enantiomeric separation (□ Glyceric acid, □ 2-Hydroxy-glutaric acid, □ Lactate) (U) ⁴				
□ Fatty-acid oxidation Enzymatics(WB) ^{3,5,9} (Requires declaration of consent on page 3)*				
□ MCAD □ VLCAD				
Glutathione (P/S/U) 2,7 , (VB) 3,9 , (F)				
☐ Homocysteine (S/P)¹				
 □ Creatine deficiency syndromes (U)⁴ □ Lysosomal diagnostics: 				
□ Fabry disease (DB ⁶ , <u>only</u> after consultation!)				
☐ Gaucher disease (DB ⁶ , <u>only</u> after consultation!)				
□ Mucopolysaccharidosis:				
☐ Screening assay (U) ⁴				
□ Electrophoresis (U) ⁴ □ Enzymatics (Type I, II, IIIB, IVA, VI, VII), (DB ⁶ , <u>only</u> after consultation!)				
□ Niemann-Pick disease (DB ⁶ , only after consultation!)				
□ Pompe disease (DB ⁶ , <u>only</u> after consultation!)				
□ Wolman disease (DB ⁶ , <u>only</u> after consultation!)				
☐ Methylmalonic acid (S/U) ^{2,4} ☐ Mone (Disperse of U) ⁴ ☐ Mone (Disperse of U) ⁴ ☐				
 □ Mono-/Disaccharides (U)⁴ □ Organic acids (U)⁴ 				
□ Orotic acid (U) ⁴				
□ Peroxisomal disorders (VLCFA, Phytanic acid) (S) ²				
Phenylalanine-/Tyrosine concentration (DB)				
□ Purines-/Pyrimidines (U) ⁴ □ Remethylation defects:				
☐ Enzymatics (CblC, CBS, MTHFR), only after consultation!				
☐ Remethylation profile (homocysteine, cysteine, methionine, cystathionine) (P/U) ^{1,4}				
□ Sulfocysteine (U) ^{4,7}				
*NEW: For additional genetic diagnostics, please note the requirements of our Section for Pediatric Genetics: https://www.uniklinik-freiburg.de/kinderklinik/behandlungsspektrum/paediatrische-genetik/diagnostik/leistungsverzeichnis.html (please provide a separate sample, request form and a declaration of consent)				

Legend for requested tests:

(CSF) Cerebrospinal fluid

(DB) Dried blood spots (allow to dry for 2 hrs at rt)

(F) Fibroblasts

(P) EDTA-plasma

(S) Serum

(U) Urine, conservation with 4-6 drps. of dichloromethane,

ship at rt

(WB) EDTA whole blood

- 1. 0,5 ml
- 2. 1 ml
- 3. 2 ml
- 4. 5-10 ml
- 5. Informed consent mandatory (German law § 8, Abs. 1)
- 6. At no charge through different diagnostic initiatives
- 7. Immediately transfer to and ship on dry ice
- 8. Store at -20 C° until shipment, shipment of the

frozen specimen together with cold pack

9. Arrival within 48 h after blood draw at the latest

Declaration of consent for enzymatic testing according to the *German Genetic Diagnostics Act (GenDG)*



Facility/Phys	sician/Stamp		Patient data	
	·		Name:	Date of birth:
			First name:	
			Street/number:	
			Postcode/place	:
analyses. Genon the question Diagnostics Ad	etic counseling is addition nethoo	ally required prior to ls such as exome sed I for gene product an	prenatal and predi quencing are also alyses, such as b i	consent for all molecular genetic lictive (predictive) analyses. Depending used. According to the <i>German Genetic</i> lochemical/enzymatic tests.
Please read th	is consent carefully and m	ark the answers that	apply to you:	
O I consent to	the findings of the analysis	s(s) being forwarded	to Dr.:	
O If necessary	/, my findings/ may be use	d for the consultation	/ examination of tl	 ne following relatives:
molecular gene data. I have be genetic/bioche The possible of family member in whole or in p have been info	etic/biochemical/enzymatic een informed about the pure emical/enzymatic analysis consequences of the result rs were also discussed in part at any time without give	c methods and conse- rpose, nature, extent and have had sufficie s of the molecular ge detail (genetic couns- ving reasons, either c	ent to the processi and significance of ent opportunity to of enetic/biochemical eling). I have beer orally or in writing,	be examined for genetic changes using ng of the genetic sample and genetic of the requested molecular discuss any open questions. /enzymatic analysis for me or other informed that I may revoke my consent without incurring any disadvantages. I amination in whole or in part, but to have
Please mark w	vith a cross where applicat	ole:		
request that m O The results of so that they ma O I agree to the laboratory-ana O I agree that	edically significant inciden of the examinations do no ay also be available to my e storage of the examinati llytical quality control meas	tal findings be report t have to be destroye family at a later date on material for possil sures. ase in question may	ed. d after 10 years ir if necessary. ble additional exal	liagnosis (incidental findings). I also accordance with the legal requirements, minations to find a diagnosis or for ted form (pseudonymized) for scientific
	Name (printed)			
	Name (printed)			

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