Blastocystis under One Health (OneHealthBlastocystis) CA21105 WG1 form

Mapping Blastocystis epidemiology and diagnostics

Personal information collected from this survey will not be disclosed under any circumstances

* Ind	dicates required question	
1.	Email *	
	ART 1: GENERAL INFORMATION o be filled out by all participants	
2.	1.1. Please write your full name	
3.	1.2. What Institution are you part of?	
4.	1.3. Please note down your country of worl	K

5.	1.4. In what type of Institution do you work? Please choose all that apply (can be more than one)
	Check all that apply.
	Health agency (Medical Institution/Hospital/Laboratory) University
	Research institute Other
6.	1.5. If you answered "Other" in the previous question, please specify
7.	1.6. What is the main focus of your Institution? Please choose all that apply (can be more than one)
	Check all that apply.
	Human health
	Animal health
	Food, water and environmental testing Other
8.	1.7. If you answered "Other" in the previous question, please specify

9.	1.8. What is the main purpose of the <i>Blastocystis</i> work you do? (Mark one or more ovals)
	Mark only one oval.
	Clinical
	Microbiological
	Epidemiological
	Other
10.	1.9. Does your laboratory conduct OMICs studies? *
	Mark only one oval.
	Yes
	No
11.	1.10. If you answered "Yes" in question 1.9., please specify
12.	1.11. If you answered "Other" in question 1.8., please specify *
PA	ART 2: BLASTOCYSTIS AWARENESS AND CLINICAL RELEVANCE

TO BE FILLED OUT ONLY BY CLINICIANS

13.	Are you a clinician? (Clinician is mean for this question and Part 2 to be medical doctor and see/examine the patients for diagnosing of their complaints and give treatment if needed)	*
	Mark only one oval.	
	Yes Skip to question 14	
	No Skip to question 37	
	RT 2: BLASTOCYSTIS AWARENESS AND CLINICAL RELEVANCE	
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14.	2.1. Before we approached you with this project and questionnaire, did you know about <i>Blastocystis</i> ?	*
	(Mark only one oval)	
	Mark only one oval.	
	Yes No	
15.	2.2. Did you know where <i>Blastocystis</i> reside?	
	(Mark only one oval)	
	Mark only one oval.	
	Yes	
	◯ No	

16.	2.3. <i>Blastocystis</i> can be found in(Mark only one oval)
	Mark only one oval.
	only symptomatic individuals
	only asymptomatic individuals
	both symptomatic and asymptomatic individuals
17.	2.4. Is <i>Blastocystis</i> reported in the routine laboratory results of the parasitological examination of stool samples at your institution/hospital? (Mark only one oval)
	Mark only one oval.
	Yes
	No
	I do not know
18.	2.5. If you answered "Yes" to the previous question, is it number dependent or number independent? (Mark only one oval)
	Mark only one oval.
	Number dependent (5 or more in each microscopic field)
	Number independent
	I do not know

19.	2.6. When you suspect a gastrointestinal system parasitic infection in the patient, what is your diagnostic approach? (Mark only one oval)	
	Mark only one oval.	
	Examination of a single stool sample and report are enough	
	Examination of two consecutive stool samples reported separately should be done	
	Examination of three consecutive stool samples reported separately should be done	
20.	2.7. What do you think about the relationship between <i>Blastocystis</i> and gastrointestinal symptoms? (Mark only one oval)	
	Mark only one oval.	
	It exists It is reported in the litereture but I do not know if it is really exists It does not exist I do not know	
21.	2.8. If you answered "It exists" in the previous question, do you give treatment? (Mark only one oval) Mark only one oval. Only to symptomatic patient All Blastocystis positive patients regardless of symptoms	*
	No	

22.	(Mark ovals as needed)
	Check all that apply. Drug Probiotic, prebiotic Herbal Diet
23.	2.10. If you answered "Drug" in the previous question, please clarify (If *possible, include information about the active compound, the dosage, and the duration of the treatment)
24.	2.11. If you answered "Probiotic, prebiotic" in the 2.9. question, please clarify *
25.	2.12. If you answered "Herbal" in the 2.9. question, please clarify *

26.	2.13. If you answered "Diet" in the 2.9. question, please clarify *
27.	2.14. What do you think about the relationship between <i>Blastocystis</i> and extragastrointestinal symptoms (eg., urticaria)? (Mark only one oval)
	Mark only one oval.
	It exists
	It is reported in the litereture but I do not know if it is really exists
	It does not exist
	I do not know
28.	2.15. If you answered "It exists" in the previous question, do you give treatment? (Mark only one oval)
	Mark only one oval.
	Only to symptomatic patient
	All Blastocystis positive patients regardless of symptoms
	◯ No

29.	(Mark ovals as needed)
	Mark only one oval.
	DrugProbiotic, prebioticHerbalDiet
30.	2.17. If you answered "Drug" in the previous question, please clarify (If possible, include information about the active compound, the dosage, and the duration of the treatment)
31.	2.18. If you answered "Probiotic, prebiotic" in question 2.16., please clarify
32.	2.19. If you answered "Herbal" in question 2.16., please clarify

33.	2.20. If you answered "Diet" in question 2.16., please clarify
34.	2.21. After treatment do you follow up the patients?
	Mark only one oval.
	Yes
	◯ No
35.	2.22. If you answered "Yes" in the previous question:
	Mark only one oval.
	Check if clinical symptoms disappear
	Check if the diagnostic test is negative
	Check both of the above
36.	2.23. Do you conduct any research on <i>Blastocystis</i> in humans?
	Mark only one oval.
	Yes
	○ No

PART 3: BLASTOCYSTIS DETECTION

To be filled out by all participants

37.	3.1. What is the main sample source tested in your laboratory (can be more than one answer)?
	Check all that apply.
	Human Animal Environmental
38.	3.2. What are the main methods used for screening <i>Blastocystis</i> in your laboratory? (You can choose more than one option)
	Check all that apply.
	Microscopy with saline
	Microscopy with Lugol's solution
	Microscopy with Trichrome staining
	Concentration method Culture
	Conventional PCR
	Real-time PCR
	Other
	None
39.	3.3. If you answered "Concentration method" in the previous question, please specify

3.4. If you answered "Culture" in question 3.2., please specify
3.5. If you answered "Conventional PCR" in question 3.2., please mention primer sets used
3.6. If you answered "Real-time PCR" in question 3.2., please mention the primer and probe used
3.7. If you answered "Other" in question 3.2., please specify

44.	3.8. What are the main methods used for subtyping <i>Blastocystis</i> in your lab? (You can choose more than one option)
	Check all that apply.
	Sequenced tagged site primers (STS-PCR) Barcoding and DNA sequencing Next Generation Sequencing Other No subtyping
45.	3.9. If you answered "Other" in the previous question, please specify
46.	3.10. If you answered "Next Generation Sequencing" in the 3.8. question, please specify the platform used
47.	3.11. If you conduct diagnosis of <i>Blastocystis</i> sp. <u>in humans</u> , please provide an estimate of the number of samples analysed per year (Mark only one oval)
	Mark only one oval.
	>5000 samples
	1000-5000 samples
	500-999 samples
	100-499 samples
	<100 samples

48.	3.12. If you conduct diagnosis of <i>Blastocystis</i> sp. <u>in humans</u> , do you report the findings to a clinician? (Mark only one oval)
	Mark only one oval.
	Always
	Never
	Sometimes
49.	3.13. If you answered "Sometimes" in the previous question, please specify
50.	3.14. If you conduct diagnosis of <i>Blastocystis</i> sp. <u>in animals</u> , please provide an estimate of the number of samples analysed per year (Mark only one oval)
	Mark only one oval.
	>5000 samples
	1000-5000 samples
	500-999 samples
	100-499 samples
	<100 samples

51.	3.15. If you conduct diagnosis of <i>Blastocystis</i> sp. <u>in environmental (water, soil, fresh produce) samples</u> , please provide an estimate of the number of samples analysed per year (Mark only one oval)
	Mark only one oval.
	>1000 samples
	500-999 samples
	100-499 samples
	<100 samples
52.	3.16. What is the preferred method to preserve stool samples for molecular testing procedures in your lab (can be more than one answer)?
	Mark only one oval.
	None. We only use fresh faecal material
	Refrigeration at 4 °C
	Freezing at −20 °C
	Freezing at -80 °C
	70% ethanol
	Commercial storage device
	Other
	We do not use molecular testing
53.	3.17. If you answered "Commercial storage device" in the previous question, please specify

3.19. Which of the following is used for DNA extraction and purification in lab (can be more than one answer)?
Mark only one oval.
None. We do not conduct molecular testing
Commercial kit In-house method
Faeces or cultured supernatant
3.20. If you answered "Commercial kit" in the previous question, please spethe provider and kit
2.21 If you are award "In boys a most had" in green thing 2.10 Indiana are airly
3.21. If you answered "In-house method" in question 3.19., please specify

the amount of starting material that you use for DNA extraction/purificatio
3.23. Which of the following is used for DNA sequence analysis in your lab be more than one answer)?
Check all that apply.
None
Genbank
☐ PubMLST☐ London School of Hygiene & Tropical Medicine
(http://entamoeba.lshtm.ac.uk/ref.blasto.txt)
3.24. Our project aims to standardise the screening and subtyping method across Europe. What impact would the avaliability standardised methods hon <i>Blastocystis</i> diagnosis, surveillance and investigations at a regional level Please comment

have	. What impact do you think a standardised screening and subtyping mie for <i>Blastocystis</i> diagnosis, surveillance and investigations at <u>a nationary</u> ? Please comment
have	. What impact do you think a standardised screening and subtyping mie for <i>Blastocystis</i> diagnosis, surveillance and investigations at <u>an</u> <u>national level</u> ? Please comment
meth	. What do you think is currently missing for the development of standa nods for screening and subtyping <i>Blastocystis</i> for surveillance and stigations? Please comment.

3.28. For your screening and subtyping work, do you have difficulty in any of the following:(can be more than one answer)
Check all that apply.
☐ In accessing test samples ☐ In selecting the most suitable test for diagnostic/subtyping purposes ☐ In accessing to associated epidemiological data ☐ In accessing isolate or DNA collections for reference purposes ☐ Any other relevant difficulties
3.29. If you chose any of the option(s) in the previous question, please comme further
3.30. Do you think next generation sequencing will be a cost-effective option for subtypes profiling in real time? Mark only one oval. Yes No Don't know
3.31. Add a comment to the previous question if you wish

68.	3.32. Would you participate in a collaborative network to share biological samples and sequences together with associated datasets?
	Mark only one oval.
	Yes
	○ No
69.	3.33. Please comment on the previous question
70.	3.34. Would you contribute to the establishment of a web-based typing platform for the archiving and comparison of subtypes?
	Mark only one oval.
	Yes
	○ No
	○ No
71.	
71.	No 3.35. Please comment on the previous question
71.	
71.	
71.	
71.	

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