

Minutes of 29th meeting of the One Health Consortium

Venue: Videoconferencing

Topic: Medical Surveillance/SOP

Date and time: 2nd May 2022, 6.30-7.30pm

Attendees: Drs. Subeer Majumdar, Nagendra Hegde, Nagamani, Michael Mawlong

Minutes:

- The group discussed on the kits/assays to be used for studies in medical centres and the following is the gist

Syndrome	No. of samples (total for 3 yrs)	Disease	Sample	Test	Kit	Comments	Decision
Acute febrile illness	544	Scrub typhus	Serum	ELISA (IgM)	Inbios	All AFI cases will be subjected to Scrub typhus IgM	
		Q fever	Serum	ELISA (IgM)/IgG	Novatech	AFI cases being Q fever will likely be very low; therefore, only 1 kit to be purchased. It was decided in our past meetings to look for IgG as well	IgG ELISA to be carried out
		Brucellosis	Serum	ELISA (IgG, IgM)	Novatech	To target people working with animals, & where animals have been tested positive.	IgM better than IgM. Need to discuss with Vet group
AES	80	JE	Serum, CSF	ESLIA (IgM)	NIV	All AES cases will be subjected to JE IgM	Inbios kit to be used
		Listeriosis	CSF	Culture		Samples (only of infectious cause, and strongly suspected) to be sent to Dr Barbuddhe	
		Cysticercosis	Serum	Clinical, ELISA (IgG)	Novatech	All AES cases will be subjected to Cysticercosis IgG	
		Nipah	Blood, serum, CSF	ELISA, RT-PCR	In-house	Only restricted to states where prevalence is expected, specifically outbreak scenarios	
Acute gastro-enteritis	240	Crypto-sporidiosis	Stool	Ag ELISA	Abbexa, Virotech	Children <5 yrs & immuno-compromised adults (HIV, chemo etc),	Virotech <i>Cryptosporidium parvum</i> ELISA kit will be used as in the SOP.
		NTS	Stool	Culture		Samples (only if of infectious cause, and strongly suspected) to be sent to Dr Barbuddhe	
		Listeriosis	Stool	Culture		Samples (if of infectious cause, and strongly suspected) to be sent to Dr Barbuddhe; SOPs for sample collection & transport to be provided by Dr Barbuddhe	
Tuberculosis	??	M. tb M. bovis	Sputum	Staining, line probe		Samples to be collected from people with history of contact with animals, prolonged fever/cough, or when vets report positive cases. For this year, it is suggested to test by MTBC (PCR) on archived samples already available with each of the centres. Since the test needs a twincubator, which may need to be purchased. Nazareth, AIIMS-Delhi and -Jodhpur could test archived samples with 1 kit each; other 4 centres can collect samples, extract DNA and keep for later testing, or see if the 3 centres doing the testing can help out.	Nazareth, AIIMS-Jodhpur, AIIMS-Delhi will initially send 100 archived samples each to TANUVAS for testing whether the MTBC positive samples are M bovis or M orygis, by differential PCR. Based on the results, further decisions will be taken.

2. The SOP would be accordingly addressed.
3. SOPs for sample collection & transport for Salmonellosis to be provided by Dr Barbuddhe.
4. It was discussed that Dr Barbuddhe could be approached for developing capacity for Salmonella typing.

Meeting ended with a vote of thanks.



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