

RESEARCH TOPIC – PYOGENIC MENINGITIS

2023 BATCH

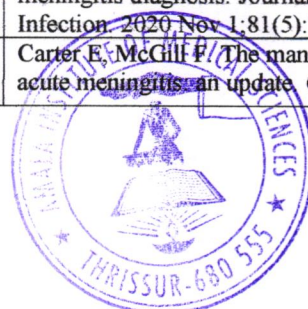
Mentor Group – Dr Iswarya Babu P

Based on the topic assigned students are requested to refer the journals and prepare a summary of the same. Discussion of the respective studies with the mentor group should be done while submitting the summary.

Last date for submission - May 2nd

Discussion date will be updated

SL.NO	STUDENTS	TOPICS OF RESEARCH	RELATED REFERENCE JOURNALS
1.	RITU	Classification & Clinical case presentation Latest cases reported in Kerala with etiological agents and outcome.	
2.	ROHAN	Epidemiology, Pathogenesis & Pathophysiology of bacterial meningitis	Pomar V, Benito N, Duch P, Colomé M, Rivera A, Domingo P. Acute bacterial meningitis in healthy adult patients: a prospective cohort study. Journal of clinical medicine. 2023 May 23;12(11):3624. Van de Beek D, De Gans J, Spanjaard L, Weisfelt M, Reitsma JB, Vermeulen M. Clinical features and prognostic factors in adults with bacterial meningitis. New England Journal of Medicine. 2004 Oct 28;351(18):1849-59.
3.	SANDRA S MENON	Rapid diagnostic methods of Meningitis etiology in adults	Poplin V, Boulware DR, Bahr NC. Methods for rapid diagnosis of meningitis etiology in adults. Biomark Med. 2020 Apr;14(6):459-479. doi: 10.2217/bmm-2019-0333. Epub 2020 Apr 9. PMID: 32270693; PMCID: PMC7248681. Rapid and Accurate Diagnosis of Acute Pyogenic Meningitis Due to Streptococcus Pneumoniae, Haemophilus influenzae Type b and Neisseria meningitidis Using A Multiplex PCR Assay
4.	SANGEERTHANA	Next generation rapid diagnostic tests for meningitis diagnosis	Feagins AR, Ronveaux O, Taha MK, Caugant DA, Smith V, Fernandez K, Glennie L, Fox LM, Wang X. Next generation rapid diagnostic tests for meningitis diagnosis. Journal of Infection. 2020 Nov 1;81(5):712-8.
5.	SEENIYA	Management of Acute meningitis	Carter E, McGill F. The management of acute meningitis: an update. Clinical



			Medicine. 2022 Sep 1;22(5):396-400. Latest IDSA Guidelines Antibiotic policy
6.	SHIBIN	Challenges in Bacterial Meningitis	Hasbun R. Progress and Challenges in Bacterial Meningitis: A Review. <i>JAMA</i> . 2022 Dec 6;328(21):2147-2154. doi: 10.1001/jama.2022.20521. Erratum in: <i>JAMA</i> . 2023 Feb 14;329(6):515. doi: 10.1001/jama.2023.0570. PMID: 36472590
7.	SHIFANA	Meningococcal Meningitis	Ghia CJ, Rambhad GS. Meningococcal disease burden in India: a systematic review and meta-analysis. <i>Microbiology Insights</i> . 2021 Nov;14:11786361211053344.
8.	SMRUTHI	Management of Acute Bacterial Meningitis in Children	Alamarat Z, Hasbun R. Management of Acute Bacterial Meningitis in Children. <i>Infect Drug Resist</i> . 2020;13:4077-4089 https://doi.org/10.2147/IDR.S240162
9.	STEPHANY	Tuberculous Meningitis: Pathogenesis, Immune Responses, Diagnostic Challenges, and the Potential of Biomarker-Based Approaches	Manyelo CM, Solomons RS, Walz G, Chegou NN.2021. Tuberculous Meningitis: Pathogenesis, Immune Responses, Diagnostic Challenges, and the Potential of Biomarker-Based Approaches. <i>J Clin Microbiol</i> 59:10.1128/jcm.01771-20.
10.	TANYA	The diagnosis of tuberculous meningitis: advanced newer technologies	Cresswell FV, Davis AG, Sharma K, Roy RB, Ganiem AR, Kagimu E, Solomons R, Wilkinson RJ, Bahr NC, Thuong NT, Tuberculous Meningitis International Research Consortium. Recent developments in tuberculous meningitis pathogenesis and diagnostics. <i>Wellcome open research</i> . 2019;4.
11.	TRACY	Vaccines to Prevent Meningitis: Historical Perspectives and Future Directions	Alderson MR, Welsch JA, Regan K, Newhouse L, Bhat N, Marfin AA. Vaccines to Prevent Meningitis: Historical Perspectives and Future Directions. <i>Microorganisms</i> 2021, 9, 771. <i>Bacterial Meningitis</i> . 2021 Aug 30:31.
		Vaccine profiles: Bacterial meningitis	IAP CDC Guidelines Newer vaccines under trial



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SL NO.	NAME	Research Topics
1	Dr. REENA JOHN	Opportunistic infections in HIV
2	Dr. SUSEELA K V	Vector borne bacterial
3	Dr. AISWARIYA ALEX	MTB & NTEP
4	Dr. SUBI DAS	Blood borne viruses
5	Dr. GEETHALAKSHMI V	Vector borne viral
6	Dr. MARIA THOMAS	Healthcare associated infections
7	Dr. NEETHU BABU	Water borne bacterial
8	Dr. RENJI FRANCIS N	Aseptic meningitis & Encephalitis
9	Dr. ISWARYA BABU	Pyogenic meningitis

