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Service (sector) Cornea and External Disease Nº CEP

**Microbiological contamination of amniotic membrane and the efficacy of its processing and preserving protocols.**

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Purpose: 1-To verify the possible microbial contamination of the amniotic membrane at different times after the delivery. 2- To investigate the antimicrobiological efficacy of the protocol used to process and preserve amniotic membrane in our service. Methods: PHASE 1: Ten amniotic membranes and 10 ml of amniotic liquid from elective cesareans of patients with negative serology for Lues, Hepatitis B, C and HIV will be obtained. Two fragments from each membrane, from opposite sides, at different times (0, 30 and 60 minutes after the delivery) will be collected and inoculated in brain heart Infusion and thioglycolate mediums. After 24hs of incubation, the solutions will be transferred to blood, chocolate and Saboroud's agar mediums for culture and identification of the microorganisms. The same procedure will be done with the amniotic liquid. Phase II: Ten membranes will be obtained as described before, and divided in two groups: group one will be processed using the UNIFESP protocol. The second group will be processed using only BSA. Both will be preserved and frozen following the same protocol for 24 hours. Samples of the groups will be taken for culture just after the processing, preserving and frozen times. Results: Up to this date, we have processed only one amniotic membrane that was contaminated with Streptococcus viridians in all the collected samples. The amniotic liquid did not show any microbiologic growth. The final results will be presented Conclusion: Will be presented.