6. Conclusions:

✓ Majority of the recombinant Glycoprotein (rGp) of Chandipura virus expressed in SF9 cell line was detected in supernatant.
✓ Baculovirus expressed G protein is non reactive to IgM antibodies.
✓ The rGp based ELISA seems to be an excellent technique in sero-prevalence study.
✓ Immunization with rGp led to both humoral and cell mediated immune responses.
✓ There was no change in Anti CHPV IgG levels up to 6 months in mice immunized with rGp.
✓ Approximately 90% mice survived Intracerebral Challenge of 100 LD50 virus.
✓ 1:20 NT titer and 1:40 ELISA titers are the protective antibody titers in mice.
✓ Addition of rGp to the commercially available DPT vaccine did not interfere with both components.
✓ In mice immunized with rGp alone or together with DPT, Th2 type immune response was predominant.
✓ The study explored the possibilities of rGp as an safe, and effective vaccine in children.