

This is to certify that

Shraddha Ranjan

successfully completed the

**Fluids module
on 15th October 2024**

and has achieved the following learning objectives:

1. Recall the signs and symptoms of hypovolaemia and hypervolaemia.
2. Understand how to calculate fluid loss, gains and requirements.
3. Understand how to how to calculate electrolyte requirements.
4. Describe the difference between crystalloid and colloid fluid replacement therapy and when each might be appropriate for use.
5. Monitor fluid replacement therapy effectively to avoid adverse effects and achieve optimal response.