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Abstract: (not more than 150 words)

Back flow of blood in drippers causes many serious problems in medical field.

To avoid this we have came out with a new idea.

We can solve this issue in two ways:-

1. The clippers (a metallic device use to control blood flow in dipper pipe) can be automatically closed by using mechanical knowledege and electronic sensors (to sense and control IV fluid and close the valve) by this when we suddenly close the clippers air bubbles are not formed and back flow of blood is avoided in dripper pipes, hence the issue is solved.

2. Dripper chamber with automatic (machanically) control of fluid at the end of fluid in drip chamber preventing entry of air in patient IV system. The system consists of drip chamber ,flow blocker, thin rubber membrane , spring IV set ,air inlet seal , outlet with a pin hole and spring suppoter.