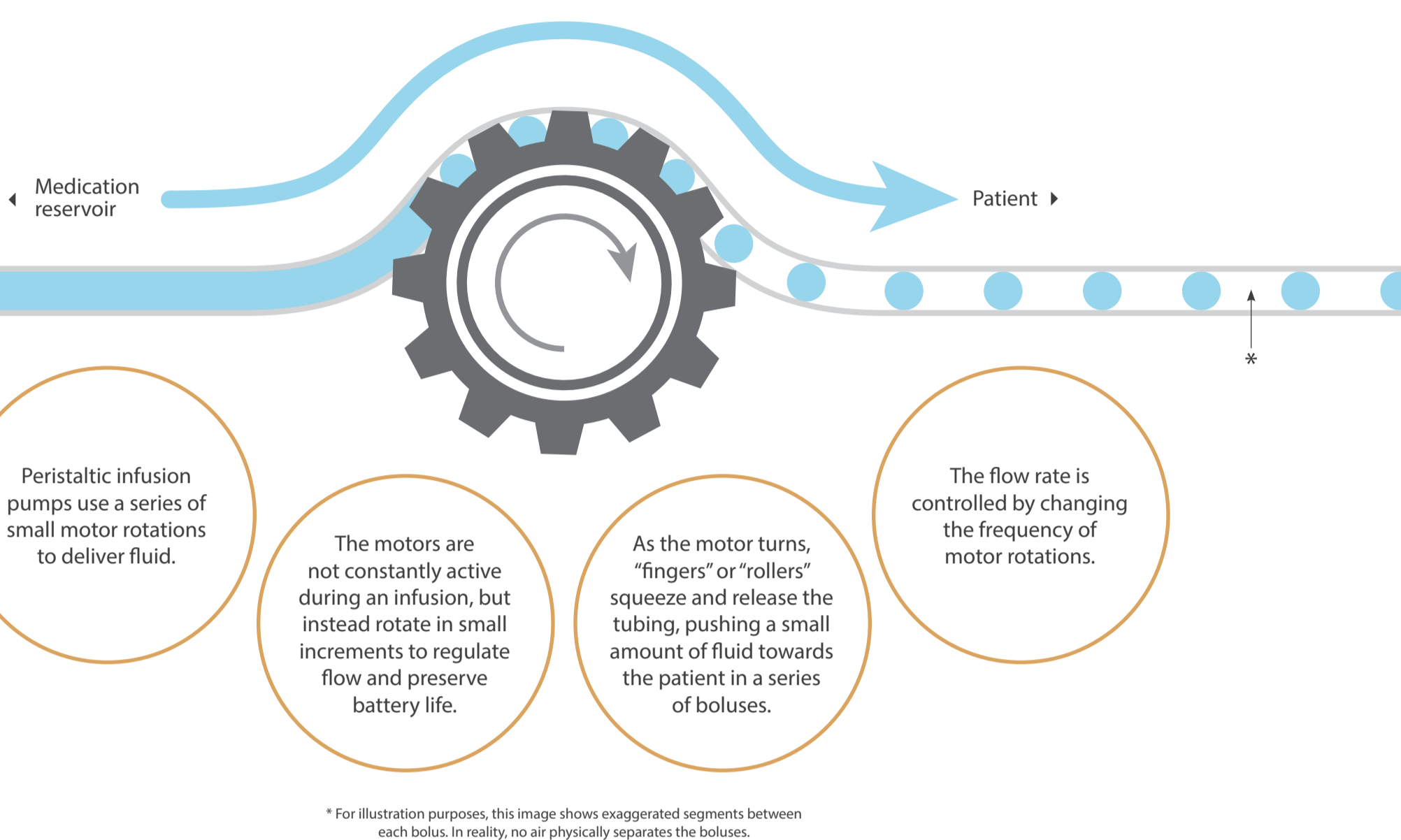


# CONTINUITY OF FLOW

HOW FLUID DELIVERY IMPACTS INFUSION THERAPY

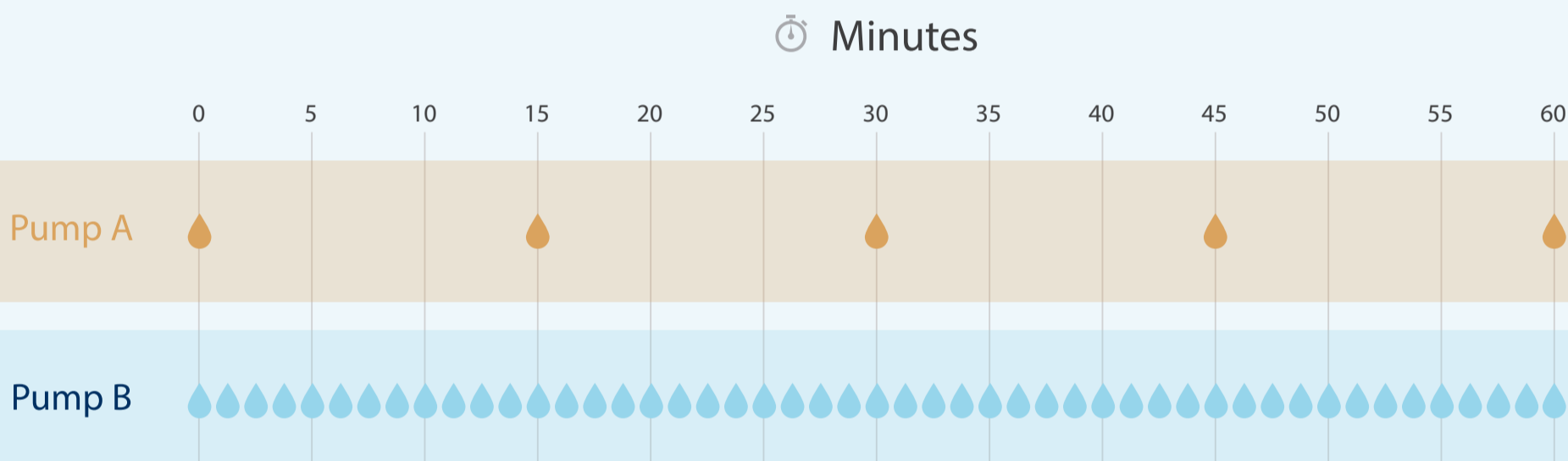
Understanding the mechanisms that infusion pumps use to deliver fluid can help ensure that an optimal pump is chosen for use in specific applications.

## HOW PERISTALTIC PUMPS WORK



## CONTINUITY OF FLOW

Continuity of Flow describes a pump's ability to maintain accurate delivery of fluid boluses at precise time intervals throughout the entire infusion duration.



Pumps with poor Continuity of Flow (Pump A) may deliver boluses of fluid at prolonged time intervals, possibly leaving long periods of no-flow.

Pumps with better Continuity of Flow (Pump B) are able to maintain reliable and predictable timing of bolus delivery throughout the infusion duration.

## CLINICAL IMPACT OF FLOW CONTINUITY



According to the Emergency Care Research Institute (ECRI), a no-flow period of 20-seconds or less maintains adequate drug levels and vessel patency.



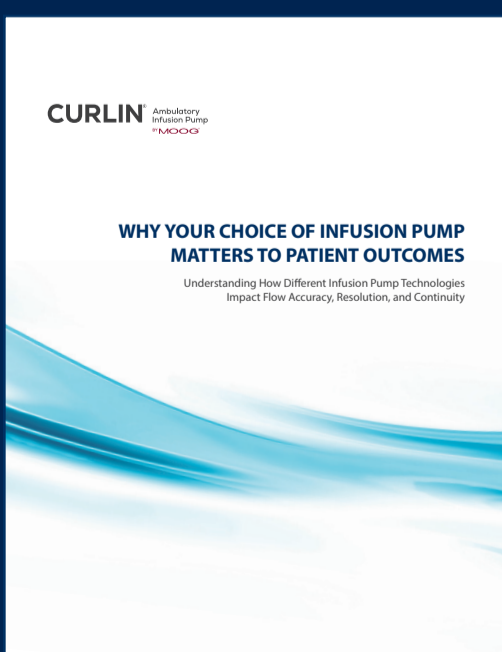
Pumps with higher Continuity of Flow ensure that this threshold is met by delivering boluses extremely close in time for more continuous fluid delivery.



Precise and steady medication delivery to the patient ensures proper pain management, and increases the clinical efficacy of the drug being infused.



Numerous reports of adverse events associated with lack of flow continuity have been reported. These reports describe over-and-under infusion of high risk or life-sustaining medication, inadvertent boluses, and other serious delays in therapy.



## Why Your Choice of Infusion Pump Matters to Patient Outcomes

*Understanding How Different Infusion Pump Technologies Impact Flow Accuracy, Resolution, and Continuity*

A recently published whitepaper describes how different infusion pump technologies operate, and why Resolution and Continuity of Flow are important factors when choosing an infusion pump. If you are interested in learning more, call us at **800.970.2337** or visit **www.curlinpump.com**.