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(54) **INTEGRATED INFUSION AND ASPIRATION SYSTEM AND METHOD**

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(57) **ABSTRACT**

An integrated infusion and aspiration system includes of a flow control system and a catheter assembly. The catheter assembly includes an infusion catheter and an aspiration catheter, each having ports located at the distal end of thereof. The distal ends of the catheters are separated so that the aspiration catheter ports can be positioned on an opposing side of a surgical wound site from the infusion catheter ports. Methods of operation of the integrated infusion and aspiration system provides for uninterrupted aspiration with concurrent controlled delivery of an infusion solution such that the infusion solution is substantially evenly dispersed of over the wound site.

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