

24 July 2013

ASX ANNOUNCEMENT

CHINESE PATENT GRANTED FOR AUTOFLUSH FEATURE OF THE AUTOSTART INFUSION SYSTEM

Analytica (ASX:ALT) is pleased to announce that a Chinese patent titled “Flushable Injection Port” patent number ZL20098012636.9 has been granted to Analytica.

The AutoFlush is a feature incorporated into Analytica’s AutoStart Infusion System. The AutoFlush reduces usage of other medical consumables, is more hygienic, and reduces litigation risks for hospitals.

The AutoFlush features permits material costs savings to be made. Standard burettes require flushing with separate saline-filled syringes after IV drug delivery. The AutoFlush feature allows for flushing with saline directly from the IV bag.

Additional flushing syringes or ampoules are therefore not required, saving an estimated \$2.50 per medication event. This may save 6-8 ampoules, or \$18 per day.

The AutoFlush feature also provides for improved hygiene and reduced legal risks. The AutoFlush system reduces the chances of bacterial contamination of the IV fluids and therefore the risk of septicaemia, which can be fatal as IV fluids go straight into the blood stream of the patient. This may also lead to less litigation for hospitals and health systems.

This patent is one of the “National Phase” applications from PCT Application WO 2009/152555 A1. Applications are still pending in US, Australian and German jurisdictions.

The system continues to be developed within Analytica with improved functionality on the way.

“The AutoFlush system is one of those inventions that saves time, money, and just works. It can be easily and cheaply retrofitted to any burette and should be standard issue for every infusion set on the planet.” – Dr Michael Monsour

For, and on behalf of the board,

Dr Michael Monsour

Chairman, Board of Directors

What is the AutoStart® Infusion System?

The AutoStart Infusion System consists of a burette fitted with the Analytica AutoStart and AutoFlush features.

In hospitals, care facilities, and emergency response vehicles, burettes are used to accurately measure the amount of medicine or fluid injected into patients intravenously (IV). The purpose of the burette is to avoid accidental fluid overload.

Normal burettes require manual refilling and can also suffer from irregular flow rates. Nurses often need to manually check the IV fluid as there is risk of blood clots forming which may obstruct the intravenous canula if the burette is unattended. The AutoStart system also addresses the risk of air embolism (air entering the blood stream, extremely dangerous) with an industry leading shutoff value.

Labour Efficiencies

The AutoStart Infusion System has several advantages over regular burettes. It is designed to automatically refill the IV fluid allowing regulated, constant, and accurate medicine dosage flow from the device from the IV infusion bag. While this saves nursing time, it also diminishes the chances of blood clots forming in the patient and by preventing air entering the line, substantial time is avoided re priming the IV line.

The AutoStart feature frees up to 20 minutes of nursing time per patient, per medication event. Average nurse wages in Australia are \$45 per hour. As each patient may be medicated three times per day, the savings per burette may be up to \$45/day, or seven times the cost of a standard burette (\$6) to the hospital.



Analytica Limited (ASX:ALT) is an Australian company dedicated to the design, development and supply of a range of Class I and IIa medical devices.