

Abstract CSCP Vancouver 2017

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15:45 – 16:15 hrs

Pediatric CPB circuit primes, solutions, drug additions, process and potential dangers.

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Despite advances in CPS circuit designs, the circuit prime to patient volume ratio still presents some unique challenges that can translate into adult cases as well.

Recent Canada wide supply challenges of sodium bicarbonate and needing to look for alternative strategies with alternative "pH neutral solutions" has proven that as a profession we are all too relaxed in the products on the shelf and their "cover all" application.

Titration of osmolality, osmotic pressure, electrolytes and blood to the patient condition is readily achievable with known clinical benefits. Risks are also associated with this if misapplied.

I will take you through the how, why and when to attempt such prescriptive CPV prime preparation and how to manage errors.