Introduction
A large proportion of surgical patients are malnourished due to their disease status or acute metabolic stress. Due to various degree of intestinal failure, many require the use of parenteral nutrition (PN), which can be associated with serious complications, e.g. sepsis or metabolic disturbances, if not monitored carefully.

Objectives
(1) To provide standardized care for patients receiving PN by providing appropriate assessment, monitoring and documentation (2) To improve safety of administration of PN (3) To facilitate the workflow of PN administration

Methodology
To provide standardized care, a “Parenteral Nutrition Team” with consultant and specialist surgeons, advanced practice nurse, dietitians and pharmacists was introduced. Patients are assessed and their PN are adjusted according to a newly written local protocol with evidence-based guidelines. To improve safety of administration and minimize infection, infusion lines for PN are clearly labelled such that the lines are used exclusively for PN but not to be used for other intravenous fluids or medications. To facilitate the workflow of administration, a pre-printed integrated progress sheet with checklists of essential things-to-do was used whenever a patient is started on PN. In addition, a pre-printed MAR form for PN is used to ensure addition of minerals, vitamins and trace elements and avoid confusion with other medications.

Result
From Aug 2013, the use of pre-printed integrated progress sheet, MAR form for PN and the “Parenteral Nutrition Team Round” was started. The team assesses every
patient on parenteral nutrition in the department on a weekly basis. Till Dec 2014, a total of 322 cases were assessed. Modifications were made to inappropriate PN regime, and addition of electrolytes to PN was adjusted in patients with electrolyte disturbances. During the round, patients’ infusion lines were inspected for correct labelling and signs of infection. In addition to the weekly round by the team, dietitians would assess patients on a daily basis for fine adjustment. The implementation of Parenteral Nutrition Team ensures updated and standardized care for patient on PN. The use of clear labels, pre-printed integrated progress sheet and MAR form enhances the safety and workflow of PN use in patients in surgical department.