Graduation theses is focused on malnutrition of patients on ICU and consecutively on their treatment. Generally valid rules of use of the clinical nutrition including ESPEN guidelines are mentioned in theoretical part. Empirical part in detail focuses on energy and protein intake of patients on metabolic ICU as well as on surgical ICU in Hospital Tábor and General Faculty Hospital in Prague. It compares "regional" and faculty hospital and also compares general medicine versus surgery.