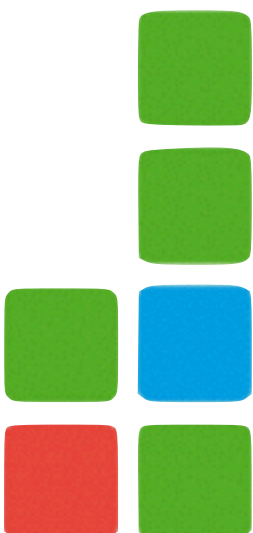
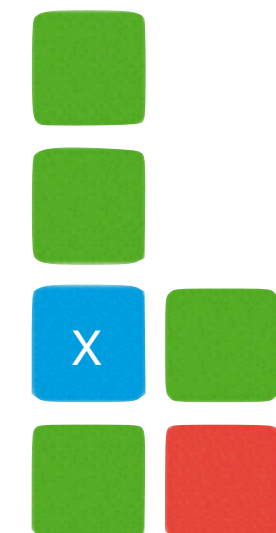




Your homework assignments

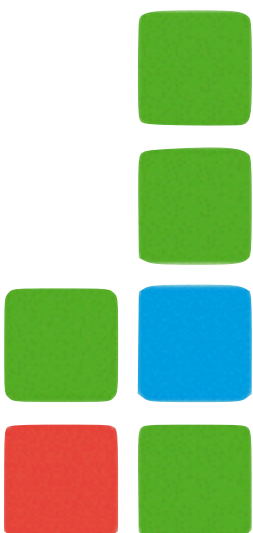
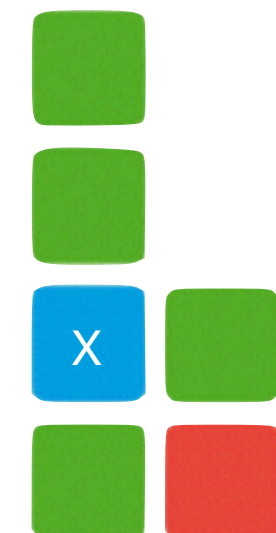
- **Male 102 kg, 1.88 cm, 59 years**
- **History: DM, oral medication, hypertension, COPD, coeliakie**
- **Did not eat at all for 4 days, only green tea**
- **Weight loss 12 kg over last 6 months due to weight watchers program**
- **Admission Dx: Sepsis due to pneumonia, CRP, leucocytes high, normal K, Na, Phosphate and Magnesium**
- **Admitted to ICU after 6 hours after presentation on ED**
- **APACHE-II score 22**
- **SOFA score 7**
- **Mechanical Ventilation (VCO₂ 290 ml/min)**
- **Nasogastric tube**
- **V. subclavian Central Venous Catheter**





Your homework assignments I

1. Calculate BMI
2. Calculate the NUTRIC score
3. Calculate the energy intake per day based on: 25 kcal/kg
4. Calculate the energy intake per day based on: ASPEN guidelines
5. Calculate the energy intake per day based on: Benedict with 30% surplus (Roza en Shizgal uit 1984)
6. Calculate the continuous EN fiber energy intake per day based on: Nutricalculator app (VCO₂; protein 1.5 g/kg)
7. Calculate the continuous PN energy intake per day based on: Nutricalculator app (VCO₂; protein 1.5 g/kg)
8. Calculate protein intake per day based on: 1.2 gram/kg per day
9. Calculate protein intake per day based on: 1.5 gram/kg per day
10. Calculate protein intake per day based on: 1.8 gram/kg per day

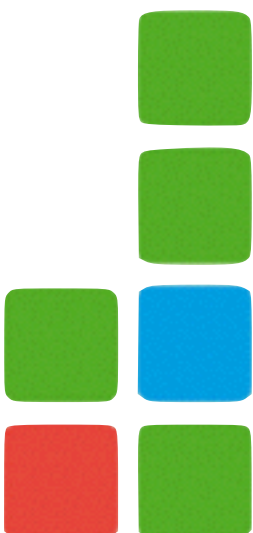
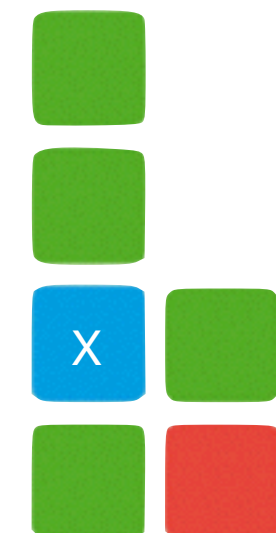




Your homework assignments II

Calculate hourly administration rate for the following enteral feeds based on the 25 kcal/day target for:

- 1. Nutrison® standard (Nutricia)**
- 2. Nutrison Protein Intense® (Nutricia)**
- 3. Fresubin Intensive® (Fresenius Kabi)**
- 4. Novasource® Gi Advance (Nestle)**
- 5. Peptamen® Intens (Nestle)**
- 6. Nutriflex® plus 48/150 (BBraun)**
- 7. Clinimix® N14G30E 2l + 250 ml 20 % Clinoleic® (Baxter)**
- 8. Olimel N12E® (Baxter)**
- 9. SmofKabiven® (Fresenius Kabi) when you also give enterally 20 ml/hour of Nutrison® standard (Nutricia)**

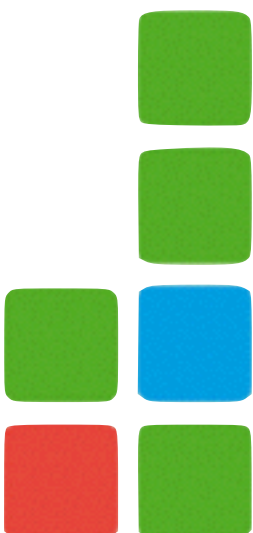
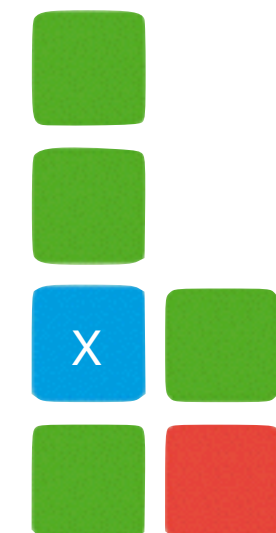




Your homework assignments III

Calculate hourly administration rate for the following enteral feeds based on the 1.5 gram protein/day target for:

1. **Nutrison® standard (Nutricia)**
2. **Advanced Protison® (Nutricia)**
3. **Fresubin Intensive® (Fresenius Kabi)**
4. **Novasource® Gi Advance (Nestle)**
5. **Peptamen® Intens (Nestle)**
6. **Nutriflex® plus 48/150 (BBraun)**
7. **Clinimix® N14G30E 2l + 250 ml 20 % Clinoleic® (Baxter)**
8. **Olimel N9E® (Baxter)**
9. **SmofKabiven® (Fresenius Kabi) when you also give enterally 20 ml/hour of Nutrison® standard (Nutricia)**
10. **What is the maximum allowed caloric intake for this patient?**
11. **What regimen induces overfeeding?**
12. **How to reach the protein target without overfeeding?**





Your homework assignments IV

Calculate dose of AA solution or enteral protein supplement to add 36 grams of protein additional per day:

- 1. Aminoplasma 10% (BBraun)**
- 2. Aminoplasma paed (BBraun)**
- 3. PROSource® Plus Fles Neutraal (GNLP)**

