

1.

Patient Weight in kg

74

Enter patient characteristics

Kg

Lb

2.

Male Female

Select Gender

Patient Weight in kg

74

Kg

Lb

Male

Select Caloric Requirements

- ☒ Standard
- ☐ Severe Injury
- ☐ Extensive Trauma/Burn
- ☐ Obese and Critical Illness (BMI 30-50kg/m<sup>2</sup>)
- ☐ Obese and Critical Illness (BMI >50kg/m<sup>2</sup>)

27.5 kcal/kg

25 30

3.

Select Caloric Requirements

30-40 kcal/kg/day

- ☒ Severe Injury
- ☐ Extensive Trauma/Burn
- ☐ Obese and Critical Illness (BMI 30-50kg/m<sup>2</sup>)
- ☐ Obese and Critical Illness (BMI >50kg/m<sup>2</sup>)

33 kcal/kg

30 40

Selecting a option adjusts weight based dosing slider

4.

5.

Select Caloric Requirements

☒ Standard

☐ Severe Injury

☐ Extensive Trauma/Burn

☐ Obese and Critical Illness (BMI 30-50kg/m<sup>2</sup>)

☐ Obese and Critical Illness (BMI >50kg/m<sup>2</sup>)

25 27.5 kcal/kg 30

Drag slider to adjust patient needs

6.

% Lipids from Nonprotein Calories

20 25.5 % 30

☐ Propofol

Adjust Lipid to Dextrose ratio between 20:80 and 30:70

7.

Fluid Needs

30 40 mL/kg 50

☐ Custom Volume

Fluid needs represent total TPN volume  
Current drips not accounted for

8.

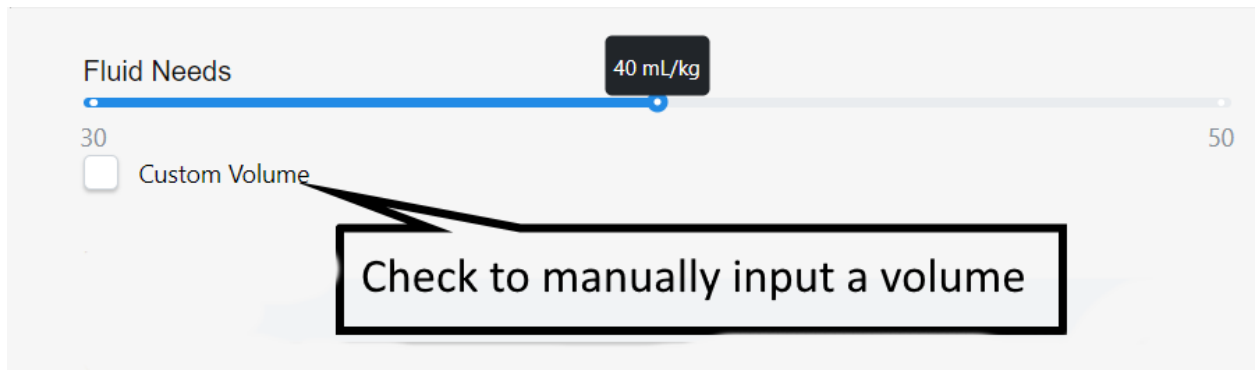
Fluid Needs

40 mL/kg

30 50

☐ Custom Volume

Check to manually input a volume



9.

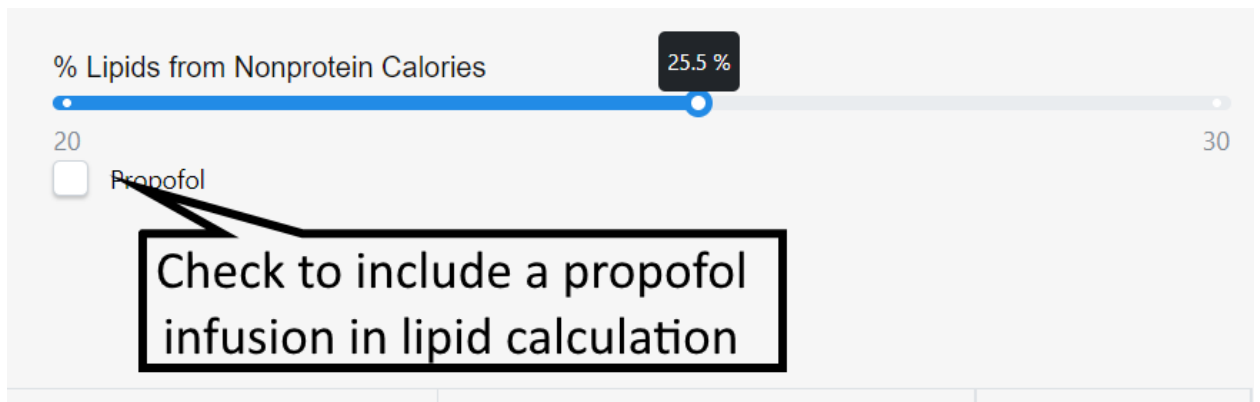
% Lipids from Nonprotein Calories

25.5 %

20 30

☐ Propofol

Check to include a propofol infusion in lipid calculation



% Lipids from Nonprotein Calories 25.5 %

20 30

☒ Propofol

Propofol rate in mL/hr

10

Add both values for total calories from lipids

	1218 kcal
	400 kcal
153 kcal (of 20% lipid fomulation)	264 kcal (of propofol infusion)
	2035 kcal

10.

Excess lipids from propofol infusion  
will not be added to total calories

Calories	
	1218 kcal
	400 kcal
528 kcal (of propofol infusion)	111 kcal Excess
	2035 kcal

11.

12.

Macronutrient	Amount	Percent by Weight	Percent by Calories	Calories
Carbohydrates	358 gm	17.92 %	59.87 %	1218 kcal
Proteins	100 gm	5 %	19.64 %	400 kcal
Lipids	NaNmL (20% lipid fomulation)		20.49 %	NaN kcal (of 20% lipid fomulation) NaN kcal (of propofol infusion)
Total				2035 kcal

TPN Volume: 2000 mL  
Suggested Weekly Lipid frequency (20% 250mL): NaN

Basic Info

Osmolarity

Resources

Na Chloride, Acetate or Phosphate salt in mEq

0

K Chloride, Acetate or Phosphate salt in mEq

0

Magnesium sulfate in mEq

0

Calcium Gluconate in mEq

0

Estimated Osmolarity: 1395 mOsm/L

Osmolarity estimated from  
Carbohydrates, Proteins, Lipids in table  
and any additional added electrolytes

ASPEN practice manual equation<sup>3</sup>  
(A x 100 mOsmol/% final concentration ) + (G x 50 mOsmol/% final concentration) + (F x 1.7 mOsmol/g) + (1,4 x Ca gluconate mOsmol/mEq) + (1 x Mg sulfate mOsmol/mEq) + (K chloride, acetate o phosphate salt x 2 mOsm/mEq) + (Na chloride, acetate o phosphate salt x 2 mOsm/mEq)

ASPEN guidelines equation<sup>7</sup>  
(A (g/l) x 10) + (G (g/l) x 5) + (F (g/l)x 0.7) + (E (mEq/l) x 1)