Practice & Prescribing Support Information

The table below provides information on which to answer questions (1-6) that relate to the equations discussed above and to problems related to prescribing (Q7-11). The right hand column advises how to use FeedCalc to facilitate nutritional calculations and get information on adequacy.

Relates to Q:	Information			How to calculate using FeedCalc	
1-6	Demography	Female, 50y, 170cm, 85kg, not pregnant or lactating.		 Open FeedCalc: Config: Settings > EN Stds: Set to AusNZ_RDI. [NB. This is currently most modern]. Personal: Enter sex, height, weight, age. 	
	Disease state	Septic shock, mechanical ventilation.		Energy: State: Ventilated Type: Mixed population Specific: Penn State_PSU(m) 09&11	
	Activity (PAL)	Bedbound undisturbed + sedated (not paralyzed).		Activity: Bedbound undisturbed.	
	Clinical parameters by day:	Minute ventilation* (L/min)	Tmax (C° in last 24h)	 Calculate EER: PSUm: Enter into FeedCalc data for: Minute ventilation (L/min) Maximum body temperature (C°) in the last 24h. Note that FC trainer automatically: Selects the correct Mifflin BMR equation by sex and PSU(m) equation by age and BMI; Adjusts 'Activity, PAL' when 'Fed?' is changed. Note for these measurements it is assume there were done in when not fed. Ireton-Jones equation: Decide which parameters are necessary or not. Use a calculator. 	
	1	15.7	38.6		
	2	13	37.7		
	3	12.1	38.8		
	4	10.3	38.5		
	5	9.7	38		
	6	11.5	37.9		
	7	8.8	38.1		
7-9	Except for any specific changes advised in the FeedCalc column (right), leave FeedCalc settings as in Q1-6			 Use the above example, day 3 assuming severe sepsis and on CRRT. Energy: Re-enter data to complete the day 3 calculation. Goal: State: 'Catabolic' Type: 'V. severe' Specific: '100% EER tolerated'. These refer to the state of the patient, severity and N loss and whether the patient is likely to tolerate the substrate load (estimated energy requirement), respectively. IO: EN: Feed: Nutrison Protein Plus, click (+). Dose Macro: Renapro, click (+). 	
10-11	The ICU nurse comments that they are having difficulty giving the prescribed vitamins written: a) Prescription: Abidec b) Route: NG c) Dose: 6mL Abidec has been prescribed as a general micronutrient supplement because of the severity of the illness and potential CRRT losses.			Use FeedCalc in the 1c setting of above. IO [Input/Output] K EN Micro: Abidec' > click '+', 6mL. Adequacy: Review '%' of vitamin requirements met and potential toxicity.	