

Dairy products contribute with Good nutrients

Dairy products contribution to total intake



Protein 24 %







Who is in need of extra protein?

Recommended and actual protein intake



ADULTS



NNR 2012: 10-20E%

Average intake: 15E%

ELDERLY



NNR 2012: 15-20E%

Average intake: 16 E%

ATHLETES



NNR 2012: app 20E%

Average intake: ? E%



Increased protein need when we age

What do we currently know?



Anabolic resistant

Increased protein need (25-30g/meal)

Protein intervention prevent age-related muscle loss

Exercise and protein combined is optimal



National dietary recommendations to elderly >65 years



New recommendations 2016



Keep your muscle mass



Strong bones



Stable body weight

New clinical guidelines: nutritional intervention and exercise to geriatric patients



Protein supplements to malnourished and/or elderly





Serving size: 500 ml

Protein: 30.5 g



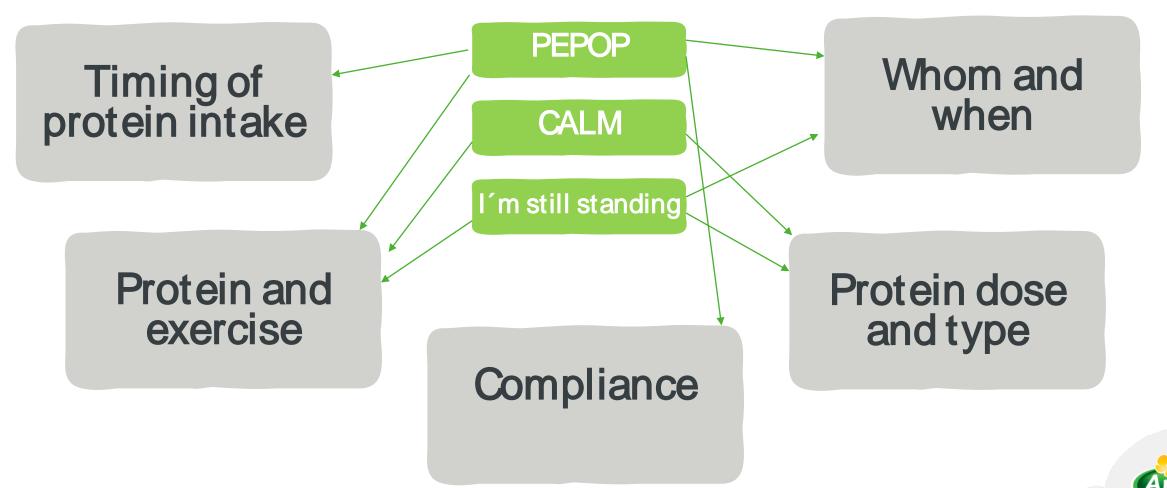
Serving size: 125 ml

Protein: 13.6 g



Ongoing research – protein intervention to elderly

What would we like to know?





Protein intake and exercise

What do we currently know?



Resistance training for muscle gain (before/after)

Endurance training for recovery (after)

Optimal protein dose 20-40g

Leucine seems important – protein type



Products high in protein for athletes





Protein (Milk): 20 g/21g/22g

Vitamin D: - / - / 4.08 μg



Serving size: 500 ml

Protein (whey): 26 g

Vitamin D: 3.75 μg



Serving size: 500 ml/ 250 ml

Protein (whey): 20 g/21 g



Protein intake and exercise

What would we like to know more about?

Timing of the protein intake – does it matter?

Protein type – what is the optimal whey/ casein ratio?

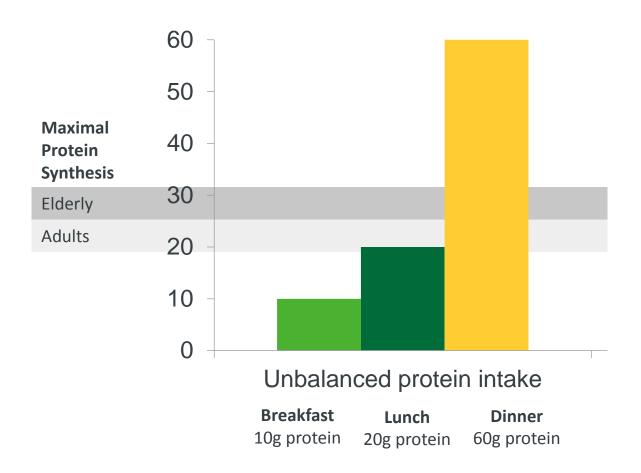
How much protein is safe to consume?



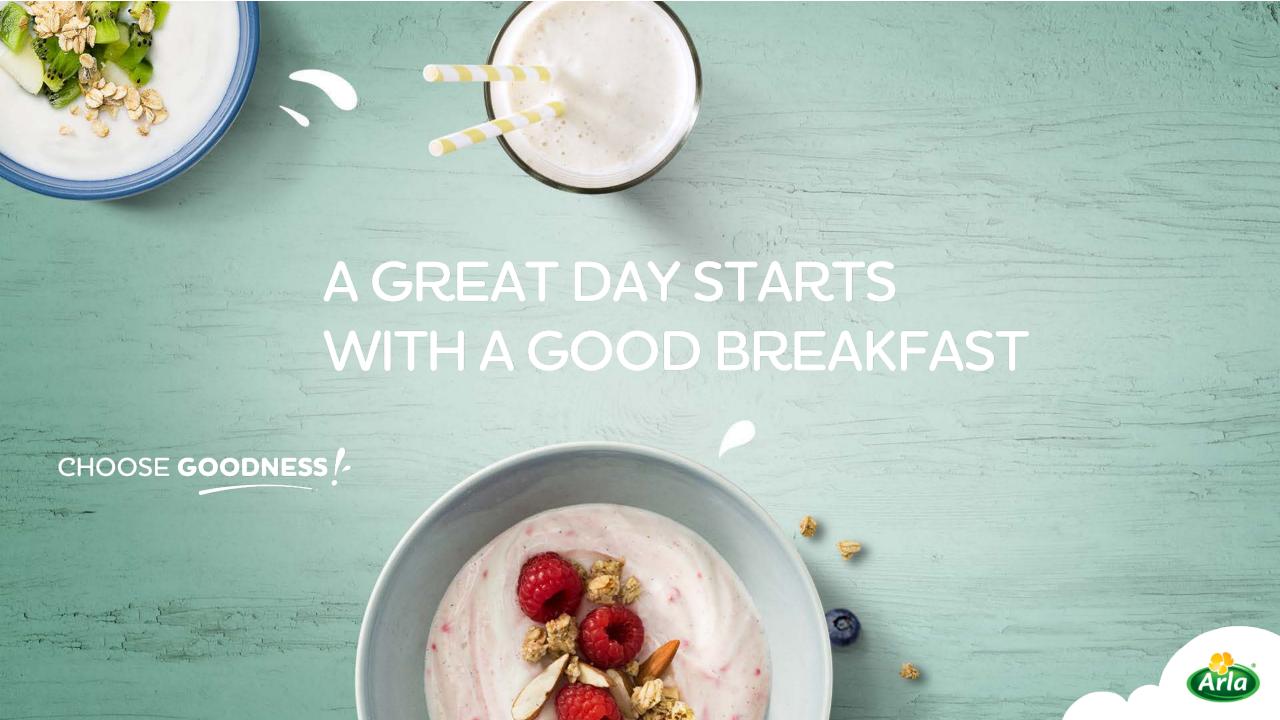


Optimal protein distribution during the day

Equal distribution between the main meals to maintain muscle mass







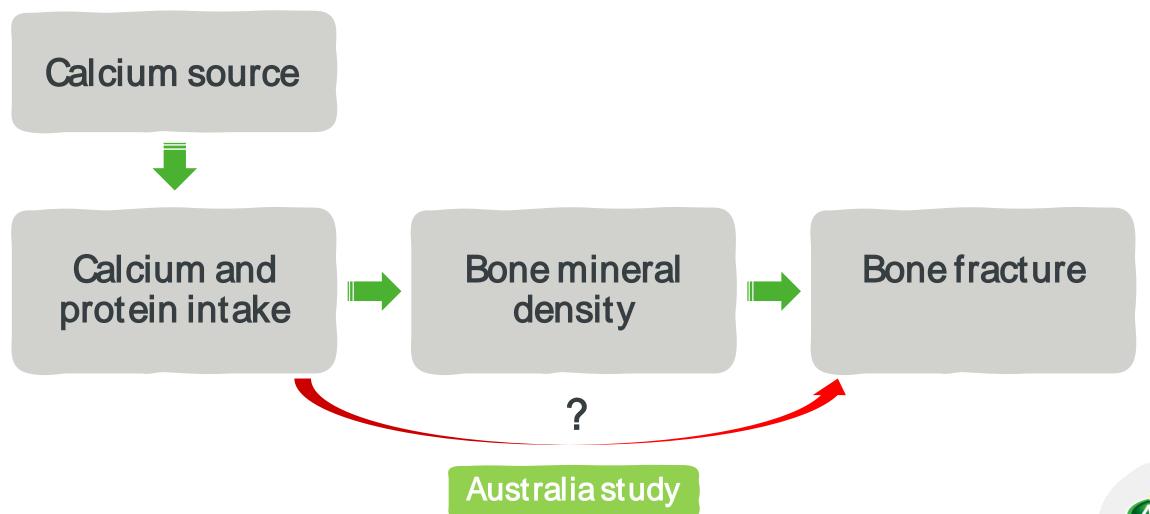
Milk is rich in beneficial nutrients for bones





Calcium/ Protein and bones

What do we currently know and what would we like to know?





The goodness of milk

Marketing initiatives – Milk Campaign 2016



Ongoing debate on vitamin D fortification in DK

At Arla we are ready to take on this task



6 feb 2017

Forskere: Put nu D-vitamin i vores mad

Danskerne får for lidt D-vitamin, især om vinteren. For syv år siden anbefalede et ekspertudvalg, at en række fødevarer skulle beriges med vitaminet, men der er ikke sket noget siden da. Videnskab.dk har set på hvorfor.



Dairy products fortified with vitamin D

Beneficial for bones



Vitamin D: 2.15 μg / 100 ml



Vitamin D: 2μg/100 ml





All milk products fortified by:

Vitamin D: $1 \mu g / 100 ml$



