

[Chat w/ Mike Roberts. postpone til next ~~next~~ week. Better for him

Mon 19th. (afternoon after 12.)

~~Wed 19th~~ ~~Wed~~ Wed 1:00 pm

send diary write

T/C. Meeting w/ Trevor, Nick, Mike Roberts

(5:40) Re: HA in infant formula



Addn'l CoI? - no.

Q1.) Well done studied.
data published peer review

What does it mean? (we haven't asked that)

P Health & Safety implicatn? (No.)

In acid solubility, they dissolve

|| aggregated
agglomerated form? Important
look like it!
not individual particles

Rounded ones poorly absorbed

R2 in Nano impact paper

Schoepf paper

R2 represented of what they really look like in solution

Z eta sizes
Zeta potential

What happens if R2 in acid

% dissolved (Fig 3) HA based on Ca^{2+} permeation
"azito ciser" particle distribution
← Sizing using light

See Roberts

Shows agglomerated in solution expressed as frequency curve

Q. on What effect processing has on particles.
Mike - some are in agreement:

- not a quantitative
- identified particles
- dissolve in gut to Ca^{2+} & PO_4 (essential)

(MR) Do the results reflect reality??

Agglomeration - such a factor.
influence of food matrix.

difficult argument to win

(MR) Re-iterate

Water to disperse to get EM sample
Why not azito ciser method

Calcite. dissolves to.

HA: claim intentionally added. (see Powerpoint page 3) bottom line.

Lenton 2015 ⇒

hangs needles

unlikely that they are added intentionally

(MR) Careful in interpretation

Search milk & hydroxyapatite

— nano-needles are rare
specialised conditions
addressed probability of whether the
~~What~~ are there.

NMI can do azito size work.

Further studies particle characterisation
in acid conditions
this is the experiment that needs
to be done.

As consumed.

This would give evidence to contrary
if we can do it.


Musgrove might have these milk &
bone mixed up

~~What has been~~

hendon

Fig 2 supersaturation from milk.
then ppt out could v. likely
give rise to nano-needles.

look
at other
papers
related

 MR Bottom line - no PHS risk.

[o'seas
Sat for 2 weeks. Then he will get back
to us.
Heise to email.