

Minutes- ESPEN-SIG-MN 1st open meeting- Lyon congress –

11th SEP 23: 2:30-3:30 PM – room Saint Clair 2

Present: Renée Blaauw, Anna Schweinlin, Hanna-Liis Lepp, Kursat Gundogan, Magdalena Pietka (MP), Miriam van der Werf, Manfred Eggersdorfer, Alix de Jacquelot (AdJ-Aguettant), Carol Springett (DSM), Angie Davanos (Baxter), Norbert Nagel (NN-Baxter), Imane Es Sraidi (Baxter), Vanja Pinoie (Baxter), MMB (minutes) + (2 missing) **+Online:** Karin Amrein, Oghuzan Dizdar, Serge Rezzi, Alan Shenkin

Excused: Angélique de Man, Michel Casaer, Chaja Hudepol (patient representative), Sébastien Petitot, Astrid Spindler, Annette Järvi, Anke Wenn, Eva-Fries-Schaffner

Meeting:

1. Introduction of participants

2. Introduction of the background, aims, and activities of the new special interest group dedicated to micronutrients (MN) (see more detailed info in attached pdf of slides). MN deficiencies are not widely recognized nor monitored. The principal objective of this SIG is to promote awareness, education, and studies in the domain of MN deficiencies.

- The first guideline with correct definitions and proposed analytical methods for MNs has been published by ESPEN working group of MNs in 2022
- A new LLL-module is currently being prepared by the SIG-MN.

3. Two major problems (besides awareness and education) recognized by the SIG:

-unavailability and cost of facilities for screening, diagnosing, and monitoring

-limited availability, composition, and quality of MN products in most countries

- Questionnaire is in preparation by SIG-MN to be sent to all ESPEN members to objectively document the current situation and the difficulties by clinicians in this field.
- The NIR methodology now used in forensics as a point-of-care method for the detection of cannabinoids was briefly presented as an example in the search for new alternative methods for deficiency screening (experience in veterinary medicine back in 2001) - could this method be an option to develop new laboratory screening tools?

Discussion:

- Regulations in EU: complication of the creation of products enabling individualized therapy; AdJ: multi-dose products that would enable the individual titration of patients' needs are not allowed; limited awareness of regulatory bodies, partly explained by the limited number of studies documenting depletion and deficiencies.

- Definitions and studies are important: medical nutrition therapy (correcting depletion and deficiencies) is different from daily nutrition.

-Technical: how to count for hidden vitamin sources in dosing (vit.E in PN lipid emulsions? (NN)

- Supply: the difficulty of home PN delivery of MNs (MP) + in multi-chamber bag use:

- Awareness: bundles of MNs could be proposed for monitoring in specific pathologies; frequent administration of medication e.g. PPIs can raise the risk of deficiencies (B12, C, zinc):

- a combined list of risk groups was proposed in the GL document; addressed in LLLs

Conclusion:

The list of problems briefly addressed confirms the need to address them at several levels: first education, then analytical and regulatory aspects, supported by funding of high-quality research.

SIG-MN requests for industry collaboration in the fields of education and the development of analytical methods. The creation of two prizes for research/awareness (projects revised by SIG-MN) would encourage young people.

Future meetings: The next open SIG-MN meeting will be organized in Milano-ESPEN

MMB, SEP 23rd 2023