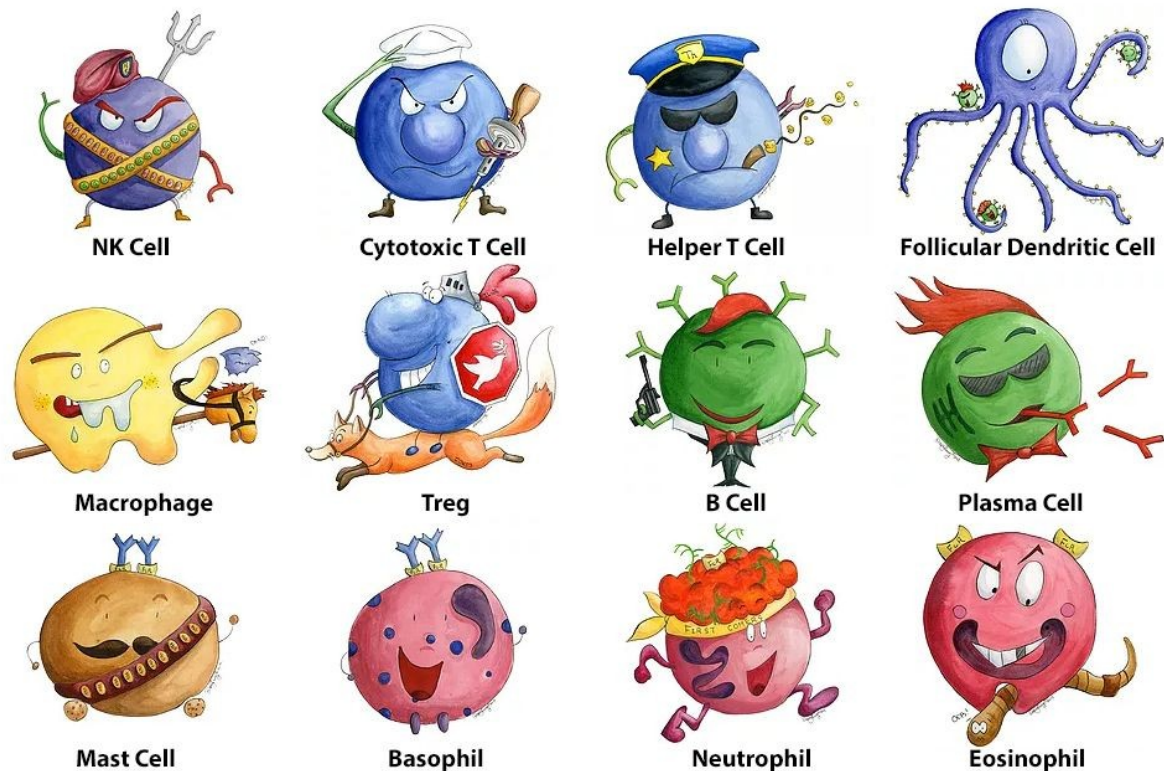


IVIG - INTRALIPID - FISH OIL, how are they connected in Reproductive Immunology treatments?



for many years we have observed the beneficial effects of the **Fish Oil** use towards the immune system and more specific, towards the subsequent inflammation effect from an activated immune system. (heart protection, reduced allergies...)

For over 25 years now the **ivig solution** is successfully used to treat immunological problems during pregnancy and to reduce the possibilities for pregnancy rejection. (Its application started in USA with Dr Alan Beer and fast came to Europe from Dr. Mohammed Taranissi at ARGC, UK, where I had the honour to be introduced in this approach)

The last 12 years, the **INTRALIPID solution** has become a very promising treatment for the support of pregnant women with immunological problems, but also in many other medical aspects related to immunological imbalances. (Anaesthesiology, Dermatology, Haematology, Ophthalmology and many others)

it is really strange how totally different type of medications have a very common way of action towards the immunological imbalances, and we believe that there is a common explanation for this action.

All the 3 medications or supplements have one common characteristic. The very high OSMOLARITY.

The fish oil because of the high fish fat concentration that contains,

the INTRALIPID solution because of the high vegetarian and animal fat concentration (egg yolk and Soya been oil) used for the preparation. (The INTRALIPID 20% preparation has higher osmolarity compare to the 30% preparation and better results),

The IVIG because of the high number of mainly IgG proteins that contains, creating a high osmolarity effect in the blood during and after administration.

From our experience and so far observations, It is very probable that the suddenly increased osmolarity in the blood after the administration, has a positive effect on the immunological mechanisms and reactions.

As a practical result of the administration, the immunological overreaction drops and we can observe a number of haematological and physical improvements to the patient (our monitoring protocols have demonstrated this action)

At Life Clinic our preference is towards the INTRALIPID use, as it has similar effects to the IVIG, but is much safer, easy to use and very cheap compare to IVIG.

For all the above reasons we are proud to say that at Life Clinic in 2008, we firstly introduced in Europe the INTRALIPID infusion, as one of the main medications for the immunological support of a pregnancy,

and we have developed unique protocols for the correct use of the infusion, as protocols for the monitoring of the treatment's efficiency for each patient.

The INTRALIPID's wide use the now days confirms that our initial approach was towards the right direction and we are very happy to have managed to help a lot of women with immunological problems successfully, with significant reduced cost and the most important, maximum safety!