Placenta
Or
The Lost Organ
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The Author

William H. van Ewijk, M.D. (M.A.), is an internationally renowned researcher developing original ideas.

With more than 35 years of pharmaceutical background involving basic clinical trials, and who is highly interested in clinical immunology, he regards his work to be the culmination of a career devoted to creating and pioneering work in new fields.

His greatest gift, and the quality that makes him unique, is his ability intuitively to sense, or see, connections that others may overlook.

The best example of this is his idea to motivate pregnant women to store their own placenta for themselves and their baby for later reuse for medical and/or cosmetic reasons.

His Placenta Research Foundation, a non-profit organization, owned till 2005 the biggest placenta bank in the world. Sometimes the Foundation stored placentas of famous aristocrats, artists, and well-known television personalities.

Dr. van Ewijk tries to convince the public to look at the afterbirth not as a waste product, but a treasure house of the body's own biologically active substances that can be preserved for medical life saving purposes. Like Biostimulines, rejuvenating capsules, an original anti-cancer "vaccine" and extracts from human stem cells.

In appreciation and international recognition of his dedication and outstanding contribution of knowledge, he was nominated as recipient of the Doctorate in Medicine (Medicina Alternativa).

This book is his completely revised and updated thesis, and a short summary comprised of ten years of placental research.

The information one reads in this book, is in his opinion, only the tip of the iceberg.
ABSTRACT/INTRODUCTION

PLACENTA OR THE LOST ORGAN

by Dr. William H. van Ewijk, M.D., M.A.

This book summarizes the results of 10 years of placental research.

There are not that many medical scientists world-wide researching on placenta as a total organ.

Scientists expect to discover many new applications, after all, new compounds are found in the placenta every day.

These new natural compounds may one day be necessary to diagnose, and also to treat diseases and effects yet unknown.

Therefore, it is important for every mother and every child to preserve their own placenta as a source of life for times to come. The baby has this chance only once in its entire lifetime. This book learns you how to keep and store your own placenta, for mother, child AND father!!! It even teaches you how to make your own placenta extracts.

In the case that autologous placental material is lost, it would be worthwhile to look into the various available human placental products, such as placental injections and oral human placental products, which contain well-documented human amino acids, biostimulins, stem cells, “home-made hormones, minerals and vitamins, as it is indicated, for medical purposes for whatever reason the affinity of these compounds to the human body, will always be far better than amino acids or other substances from animal or plant derivatives.
CHAPTER 1

INTRODUCTION

It has been known for many years that the placenta, the cushion-like organ supporting the baby's growth and development in the womb, contains a wide range of biologically active substances and materials. Research over the past couple of decades has been uncovering more and more of them. Indeed, it is claimed that the placenta is capable of producing just about any substance found in any organ of the body. This biochemical treasure-house supplies the growing fetus with substances it is not yet able to make itself.

Placental products of value in the treatment of patients include:

- HSA (human serum albumin) and IgG (immunoglobulin G), which increases the body's resistance to infection.
- An enzyme (glucocerebrosidase), which can be used in the treatment of Gaucher's disease. This hereditary disease causes enlargement of the spleen and liver. When it appears in small children, it can cause rapid changes in these and other organs and slow deterioration of the central nervous system. Glucocerebrosidase can help to counter or reverse these changes.
- Products of value in the treatment of skin diseases, such as vitiligo (local loss of skin pigment), psoriasis (where the skin becomes flaky and is shed) and, also alopecia (hair loss).

Placenta has been used for more than 5000 years in Chinese traditional medicine as a tonic remedy under the name of 'Shikasha'. Both, the available placenta tablets, these are called in Chinese 'Tai Pan Tang Yi Pian' or the dried entire human placenta called 'Tai Pan' which means 'Placenta Hominis', are used on the indication to strengthen congenital Ying and kidney Yang, and in addition in cases of infertility, impotency and various types of long-term problems—such as treating nursing mothers with insufficient milk supply.

Placenta is also used for life extension: Cell Therapy.

The Swiss Professor, Paul Niehans, was famous for pioneering the injection of fetal cells taken from lambs into humans in order to increase the immune system to heal certain sick organs. Another well-known man was Professor Filatov from St. Petersburg, Russia, winner of the Stalin prize for science.

He discovered in 1930-40, that a damaged or stressed tissue developed a certain compound to survive which he called 'Biostimulins'.

At the present time whoever wishes to be active in such a programme of life extension has to spend time at special clinics to receive this very expensive treatment.

Placental implants:

The placenta is deep-frozen at a temperature of -40°C (using the Filatov method) to have the placental implants.
This means that a small piece of the placenta (approximately one inch in diameter) is implanted in the abdomen (under belly) in order to slow down the ageing process. This operation takes place under local anesthesia in an outpatients' clinic. Although a placental implant can be done for a large number of medical reasons, the fact is that most women have it done for cosmetic purposes, such as better tone and elasticity of the skin.

In France and Switzerland most women have their first placental implant when they are older than 35 years of age; the next two or three implants are done between the ages of 40 and 50 years. It is recommended to have an implant every year beyond the age of 50 years. Since every person is different, the number and the rate of placental implants may vary.

Injections with placental extract are used in patients who have arthrosis, and also post-surgical, i.e. in plastic surgery to increase tissue regeneration.

Dr. Valentin Govallo, both a physician and immunologist, discovered that cancer tumors possess their own defense system which protect from attack by the immune system of the patient, his human placenta extract VG-1000 is able to "turn off" the defense of the tumor itself. In his ground breaking book "Immunology of Pregnancy and Cancer" he describes also how a different special human placenta extract could prevent from recurrent miscarriages. Even in 91% of the cases.

Scientists from all over the world agreed that cells from the human placenta could provide an alternative to the ethically and legally controversial use of fetal stem cells. Use of embryonic cells has ignited fierce objections from conservative religious groups, as The Vatican asked in 2001 transfer of know how from Dr. van Ewijk for the foundation of a Human Placenta Bank.

These placenta stem cells are multipotent and a "new type of cells" between embryonic and adult stem cells and are similar with cells found in cord blood. Stem cells are immature cells that are like blank slates, in this early stage they have yet to differentiate into the specific cells that can make up any desired organ tissue. The aim will be to reverse brain, nerve, muscle and organ damage, possibly curing paralysis, Down's Syndrome, Parkinson's Disease or Alzheimer. It could take some 10 years before the technology completes the required tests and clinical trials, however: for research purposes stem cell treatments are available in Israel and Taiwan.

EAT YOUR OWN PLACENTA……..

A small piece of raw placenta, administrated orally, directly after the delivery of the baby, may prevent post natal depression (PND) in multipari. A post partum depression has a high risk of recidivism after the next pregnancy. These women are trained during pregnancy to eat small amounts of raw beef or liver to become more familiar with the idea of consuming raw meat.
People will be repulsed when humans eat placentas but in several other cultures it is still a habit. For example, in hippie communities in the '60's, it was a joint ceremony to consume the afterbirth. They developed and published strange recipes, such as Placenta/V8 cocktail', 'Placenta stew', 'Placenta lasagna', etc. Their explanations were, how nutritious it was and how natural, based on the fact that besides carnivores, also herbivores like cows and reindeers, eat their placenta, thus instinctively using its many nutritive substances.

The reason for this phenomena could be, as we recently know, the presence of physiological amounts of dydrogesterone, as a natural lactation stimulator. This hormone is nowadays synthetically available and prescribed to women with PND, based on the impression that a lot of PND occurs by 'feeling guilty' of incomplete breastfeeding or not breastfeeding at all, due to insufficient or absence of colostrum.

Placental extracts are world widely used in cosmetics such as (night)creams, shampoos, (hair)lotion. Of all the substances used in cosmetic products, the bio-complex of freeze-dried placental extract seems to be the most successful in strengthening ageing or sagging connective tissue.

Placental extract does improve the skin's blood circulation and metabolism, but also increases the frequency of cell division in the skin.

Cosmetic products containing placenta extract probably are the most effective skin care products for the regeneration of the older skin. The placenta complex does not only contain a number of yet unknown biogenic stimulators, but also vitamin A, D and E, enzymes, the complete vitamin B complex, micro nutrients and lipoids. Amino acids, such as glycine, proline and leucine are the building compounds of proteins. Proteins, however, are not absorbed by the skin, whereas amino acids are directly absorbed. Eight of these amino acids essential to life are only found in the placenta.

It is not surprising, therefore, that some cosmetic products contain placental material. Besides the risk of viral infections, such as Creutzfeld Jacobs in bovine, and HIV/hepatitis in human sources, there is nowadays a strong global tendency to replace animal or human placental extract, since foreign materials, when highly concentrated, may cause intolerance or allergy.

The only way to be sure that cosmetic products do not contain any foreign placental materials, is to use an extract from the own placenta.

Using an extract from their own placenta allows the user to achieve optimum results, even in small doses. Because the body only totally accepts biological material originating from its own body.

References: see Chapter 18: 1, 6, 14, 15, 17, 20, 23, 25.
CHAPTER 2
MEMBRANES AND UMBILICAL CORD

Apart from the placenta itself, the afterbirth contains two other structures which can be put to a wide range of medical uses: the membranes (amnion and chorion) which contains the amniotic fluid where the fetus "swims" during the pregnancy, and the umbilical cord.

The "breaking of the water", i.e. the breaking of these membranes to release the amniotic fluid, is often the first sign that labor is about to begin. These membranes are thin but very tough, and have an area of several square feet. They have been used with success in a number of countries to provide a temporary covering for large skin wounds (e.g. burns or bed sores). They prevent infection but are permeable to oxygen and water, and can thus provide temporary protection of the wound till the underlying skin grows back. Medical science may be expected to develop a perfect artificial skin, within the foreseeable future. Until then, however, these membranes offer a good temporary solution.

The blood vessels in the umbilical cord (there are usually three of them, with a total length of about 1.5 metres or 5 feet), are ideally suited for replacement of diseased or blocked blood vessels in the body, e.g. in the case of arteriosclerosis.

Finally, the blood in the umbilical cord contains a relatively high proportion of blood-cell precursors, e.g. life saving stemcells, that can be of great value in stimulating growth of the body's own blood cells if they have been depleted and weakened, for instance leukaemia or radiation. They, bearing the CD34 cell marker, which normally resides in bone marrow. These cells are the factory of the blood system, continually regenerating themselves and differentiating into all other types of blood cells.

The advantage of using stemcells from cord blood, rather than from bone marrow for such transplants are becoming increasingly clear. Among these advantages: If the cord blood is stored, it can be stored indefinitely, it can be transplanted back to its owner, avoiding the need to find a matching donor. In addition, cord blood could also be donated to an unrelated recipient, because it has reduced immunoreactivity, thus lessening the risk of rejection by the recipient's immune system, or of a devastating side effect, known as graft-versus-host disease (GVHD). Besides that, cord blood seems to have a greater proliferative capacity than the same cells found in bone marrow. Using stemcells from cord blood or placental blood, will obviate the need for the painstaking immunologic matching required for bone marrow transplants, which can take six months if no relatives are available as donors. Some 200 cord blood transplants have been performed world-wide, across Europe and the United States universities and medical centres have started cord blood banks.

References: see Chapter 18:
11, 12, 13, 21, 23, 33, 36, 37.
CHAPTER 3

EXPLOITATION IN PRACTICE : HIV However

Recognition of the great medical value of placental products has led to the growth of a number of enterprises which market substances derived from the placenta for medical use. This involves setting up an organisation to collect the afterbirth carefully (instead of disposing of it, as was previously the case), and to preserve it until the substances and materials of interest can be extracted in the laboratory.

However, in these days with HIV 1 and 2 (and the unknown numbers yet), at this moment scientists wonder if there will be any active material left after the elimination of all that is known and even unknown viruses and bacteria.

For example, two French firms - Bio-Mérieux and Imedex - have been marketing placental HSA and IgG for many years.

These institutions are state owned.

Now, the French government has closed both factories for the production of compounds derived from human placenta due to the danger of infection with Aids and other dangerous diseases.

More recently, an American firm (Genzyme) has been making glucocerebrosidase for the treatment of Gaucher's disease.

The Centro de Histoterapia Placentaria in Havana, Cuba, makes many placental products for the treatment of skin complaints.

The Amsterdam-based Placenta Research Foundation has discovered during the research of the preservation of autologous placenta, some interesting findings and translated them into a life extension product called ‘Bioplacental’ and the first biological anti cancer “vaccine” VG-1000.

References: see Chapter 18 :
6, 18, 20, 23, 28, 39, 40.
CHAPTER 4

AUTOLOGEOUS : Home Made

The main objective of our studies is to point out one important advantage that can be gained by using products derived from their own placenta, instead of commercial preparations if the mother, or that particular child, or the husband should require treatment with them. This advantage can be summed up in a single word:

HISTOCOMPATIBILITY

A little explanation will help to make this clearer. If one introduces substances (in particular proteins) from another organism into your own, your immune system (the body's "anti-disease defense force") will be activated and can cause these foreign substances to be rejected by the body as "incompatible". In some cases (when the foreign substance is, e.g. an organ transplant or a beneficial drug), this reaction is highly undesirable. In others, e.g. when the foreign substance is a disease-causing virus, the immune reaction is a vital force of defense. In order to avoid rejection, e.g. in the case of organ transplants, possible donors can be screened to find one (often a close relative) with a "tissue type" close to the patient's, i.e. where the substances in question are so close in structure to those from their own body, that the immune system does not reject them as foreign. We then say that the tissue or substance in question is "histocompatible" with their own body tissue.

It is well-known when the first kidney transplant was realized in France some decades ago, on a young man called Marius Renard. His immune system did not reject, but accepted the kidney from his mother.

References: see Chapter 18:
2, 3, 4, 5, 19, 23, 26, 30, 32, 34, 38, 40.
CHAPTER 5
For MOTHER, CHILD, AND FATHER

About 80% of the placenta is fetal tissue, of the same type as the child’s; the rest is maternal tissue, of the same type as the mother. The two types are inextricably mixed, so that any placental extract will have immune properties, which are a mix from those of herself and of her child.

Let us point out clearly that the placenta belongs to that particular baby and is called the ‘fetal unit’ and is, therefore, only autologous for that particular baby.

The mother carries as a parasite this fetal unit during nine months in her body and is, as you may say 'hyposensitized', e.g. less sensitive for the proteins coming out of the baby or placenta. Therefore, even after fifty years, that person’s immune system will recognize their own cells from their own placenta, and ever after fifty years the mother will not have an allergic or anaphylactic reaction on the cells which she had in her own body during nine months, thanks to the hypo sensitisation system.

Administration of such a product to mother or child will thus give a unique reduced immune reaction - i.e. higher histocompatibility.

While the father’s tissues are not present as such, in the placenta, his genes do play a 50/50 part in determining the properties of the fetal tissue.

It is thus to be expected that products extracted from his wife’s placenta will be highly histocompatible in his case too. But until now we have no clinical experience, except in 2003 the implant of a part of the placenta of Yanni van Ewijk, the author’s son. This tissue was completely accepted by the father’s immune system, and solved slowly during 6 month after implantation. The rejuvenating effect however lasted significant longer after this unique experiment.

Some research which was made on so-called, cell therapy, based on the work of Professor Niehans would be much more effective if cells, or RNA could be injected into an older person when the cells are derived from his own young body. Dr. John H. Heller, Director of the New England Institute of Medical Research in Ridgefield, Connecticut, has suggested that cells of nucleonic acids, or the cells of a young person, could be taken and frozen in liquid helium and later applied to the same person at different stages of his life, especially in cases of degeneration symptoms, which would be administrated parenterally.
Dr. Makinodan was successful in such an experience, in which he rejuvenated the immune system of older animals by injecting frozen lymphocytes from their own youth.

References: see Chapter 18:
7, 9, 22, 23, 34, 35, 40.
CHAPTER 6

How to create your own Placenta Bank

The optimum procedure with the afterbirth, is to freeze it thoroughly, without delay, and to store it in a frozen state until the time comes to thaw it out and extract the valuable substances it contains.

This is perhaps reminiscent of the idea that became well-known a decade or so ago, of putting people in deep-freeze at the moment of death, and keeping them there until such time as medical science had advanced so far that they could be thawed out, resuscitated and cured of the disease that killed them.
Some millionaires seem to have actually followed up in practice this futuristic idea.
However, the procedure involved is untidy, very expensive and offers no chance of success in the foreseeable future.

Your own PLACENTA PLAN is quite different.

There is no question of bringing something back to life using techniques that will only be available for research purposes.
The placenta had never been alive under normal conditions and can only be brought back to life in very special circumstances.
We are just preserving a treasure-house of biologically active substances in tip-top condition until the time comes to utilise some of these substances.
The techniques required are all well established and proven in practice.
Nonetheless, some people do need professional help to carry out this procedure.

To maintain the afterbirth very fresh, we need to cool it slowly but without delay to -20° C, (not the temperature of liquid nitrogen), and keep it at that temperature until needed.
The patient’s own ***deep-freeze is adequately cold enough for this purpose ,may be there is something not very nice about the idea of storing your own afterbirth for years alongside your family food, though from an hygienic point of view, this poses no problem.

One don’t need a skilled technician to collect and freeze the afterbirth,
Again: the freezing should be slowly done. ( As the thawing must be done very quick).
So you only will need an efficient deep-freeze storage facility, guaranteed to be available for years.

Never ever use or freeze again a thawed placenta :this destroys the cell membranes and so all kind of toxins will be released!!! Use of this inferior biologic material is life threatening.

Some of the extraction or preparation procedures are quite simple, while others call for state-of-the-art equipment. As we see later in Chapter 17.

"AUTOBIOLOGICS", was till 2004 the Placenta Research Foundation in The Netherlands: the biggest placenta bank in the world.
Which offered for motivated people the organisation and facilities needed for effective collection and storage of the afterbirth, and subsequent extraction of any placental substances of materials
the mother, the child, or the father may require. It offered the mother international recognition by the Treaty of Rome and UNESCO codicil or disposition (see further on) on the mother's placenta which is unique in the world, and also developed a special placenta thermo insulation box, included instructions and directions for use. This know how is now free of charge available to any individual for private use.

References: see Chapter 18:
6, 19, 23, 33, 40.
**DISPOSITION** *

I, the undersigned

Name:  
Given Name:  
Address:  
State:  
City:  
Zip code:  
Date of birth:  
Place of birth: 

herewith ordain in the matter of my delivery which is expected on: (date)
that my complete placenta, immediately after the customary obstetric inspection, is to be deep-frozen and stored in the Placenta Bag, which I have supplied and which is clearly identified as such.
In compliance with the above my deep-frozen, individually packaged placenta will be collected by ......................, who will act as is stipulated by contract on: (date)
I have presented a copy of this disposition to my obstetrician/gynecologists

Mr./Mrs. ......................

as well as to hospital/clinic...................
Filled out and signed by me:
Place:  
Date:  
Name:  
Signature:

Please fill out this disposition clearly before hospitalization.

*) In accordance with the Treaty of Rome and UNESCO guidelines

**INSTRUCTIONS FOR PACKAGING**

The anywhere available package includes:
1 thermo-insulation box (like for ice cream)
1 new and clean, non-transparent (Mini Grip) plastic bag
2 disposable plastic gloves
4 stickers with your baby’s and your name

**INSTRUCTIONS**: how to preserve and store your placenta. 
(assistance of husband/partner will be needed)

1. Check in good time before the delivery if the thermo-insulation box (without the cover) fits in the freezing department of your refrigerator. If that is not the case, try your neighbors or family.
2. The obstetrician or gynecologists will always inspect the placenta after the birth. This is very important. After this inspection, put on the plastic gloves, take the placenta and rinse it well under running water.

3. Shake off as much water as possible from the placenta (don't rub it dry with a cloth), then put it in the non-transparent bag. Push out as much air as possible.

4. Close the bag, rinse the outside with water and wipe it dry with a cloth.

5. Place the bag with placenta in the thermo-insulation box as flatly as possible. Stick one of the stickers with your name to the bag, so that it is clearly legible.

6. Stick another sticker in the cut-away on the side of the box, and the third sticker on the cover of the box. You keep the last sticker for yourself.

7. Place the box with the placenta, but **without** the cover, **horizontally** in the freezing compartment of your refrigerator and turn the thermostat **as low as possible**. After 24 hours you can turn it back to normal. In this way the placenta can be stored without loss of active materials.
CHAPTER 7

FOR EVER YOUNG WITH PLACENTA CAPSULES

One interesting point in the research, we found is that the placenta is indeed an ex-dead organ. Also we know that when this organ stops functioning after the delivery of the baby, the ex-organ contains considerable amounts of unique autologous proteins, biogenic stimulants, amino acids, vitamins and minerals.

Various universities, including the VU University of Amsterdam and the Placenta Histotherapy Centre in Central America, have developed a revolutionary method in their research, which keeps placentas alive in vitro immediately after the birth, in order to be better able to study the metabolism and the biological activities of the source of life.

The reason for these phenomena could be that the placenta belongs to the so-called autonomous organs such as hair and nails, which continue to grow during an impressive amount of time after death.

When it was discovered that this ex-organ continued fairly steadily to produce all kinds of substances which could be isolated, the way was opened up for the application of these species-own substances for all kinds of disorders.

For the first time in history human essential amino acids are available for therapeutic purposes. These are the building blocks our body requires for cell proteins, which we cannot produce ourselves, but can take in only through food (e.g. fish, vegetables, fruit).

It is unique that this human organ produces all eight of these so-called essential amino acids.

All active compounds are isolated and available to the public now.

Composition:
Each gastro enteric coated 500mg capsule contains at least:

<table>
<thead>
<tr>
<th>Component</th>
<th>Bioplacental</th>
<th>% of USA RDA*</th>
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<tr>
<td>Calcium</td>
<td>6.22 mg</td>
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</tr>
<tr>
<td>Phosphorus</td>
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<td>Iron</td>
<td>128.6 mg</td>
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<tr>
<td>Copper</td>
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<td>Digestible protein</td>
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<td>Fat</td>
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<td>Vitamin B20</td>
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<tr>
<td>Zinc</td>
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*) % U.S. Recommended Daily Allowance for adults and children 4 or more years of age.
**Amino Acids:**

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<td>Alanine</td>
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<tr>
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<td>Glycine</td>
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<td>Serine</td>
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**Essential Amino Acids:**

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</tr>
</thead>
<tbody>
<tr>
<td>Histidine</td>
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<tr>
<td>Isoleucine</td>
<td>10 mg</td>
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<td>Leucine</td>
<td>30 mg</td>
</tr>
<tr>
<td>Lysine</td>
<td>12 mg</td>
</tr>
<tr>
<td>Methionine</td>
<td>40 mg</td>
</tr>
<tr>
<td>Threonine</td>
<td>11 mg</td>
</tr>
<tr>
<td>Tyrosine and Phenylalanine</td>
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</tr>
<tr>
<td>Valine</td>
<td>18 mg</td>
</tr>
</tbody>
</table>

The capsules do not contain any fillers, artificial colors or flavorings, chemicals, yeast, sugar, salt or starch. All the active components in the balanced composition are completely absorbed. The food supplement is produced in accordance with guidelines which meet the highest requirements regarding stability and purity. The composition is checked using spectrophotometric equipment. There can be no transfer of viruses as a result of the special production process and extensive quality control. The product does not contain any hormones, but seems to be able to stop the decrease of hormone production in older people, and bring back, after a period of time, their own body hormone level to that of a young adolescent.

The composition is based exclusively on those substances which the placenta, the source of life, produces. Nothing is added or freeze-dried.

The benefit and use of these substances can be very briefly summarised based on the available bibliography as follows:

**Calcium**

80% of all US women have a calcium deficiency. To be able to absorb calcium from 'calcium tablets' the body has to have sufficient vitamin D. The daily requirement of chemical or foreign calcium is between 800 and 1,200 mg. The absorption of chemical calcium is mediocre and, if the calcium is taken from bone meal, it contains far too much lead. The concentration of human calcium is sufficient, combined with a good multivitamin, as a prophylactic prevention and to treat osteoporosis.

**Iron**
The human iron produced by the placenta is also completely reabsorbed, whereas normally only 8% of all the iron taken in food or food supplements ends up in the blood, iron increases our resistance, prevents tiredness, promotes growth, remedies anaemia and gives the skin a good tone.

**Phosphorus**

This is present in every body cell and functions only if there is sufficient vitamin D and calcium. We need phosphorus for normal bone and tooth growth. It produces energy, helps convert fat and starch, reduces pain from arthritis and is good for teeth and gums. The human phosphorus is sufficient to supply the daily requirement of this mineral.

**Copper**

This is needed to convert iron into haemoglobin, it promotes the effect of tyrosine (the pigment factor for hair and skin) and is essential for the absorption of vitamin C. It produces energy as it promotes the absorption of iron.

**Zinc**

This mineral maintains the enzyme system and the cells and is needed to produce proteins and insulin. It has favourable effect on the prostate, the production of sperm and brain functions. There is recent evidence that zinc is needed to produce DNA, the main component of chromosomes.

**Vitamin B2**

Otherwise known as Riboflavin. This helps growth and reproduction, gives healthy skin, nails and hair, remedies a dry mouth, improves eyesight and promotes the metabolism of carbohydrates, fat and proteins. Women who are taking the pill, are pregnant or are breast-feeding need increased amounts of vitamin B2.

**The wonderful amino acids**

The amino acids in this placenta product are not autologeous, but species own. The concentration and the ratio are completely physiological, i.e. exactly as the placenta produces them.

Some amino acids are not produced by the placenta as certain enzymes needed for this are lacking. The amino acids in Bioplacental are at least as important as vitamins, are materials for proteins, the most important nutrient, and can stop the degeneration process. Every cell in our bodies contains proteins and needs these to produce new tissue and repair damaged materials.

The placenta produces hormones in our body (including the anti-ageing growth hormone) as well as HSG, HPL, HCT and HCC, which raise the concentration of ACTH and DHEA in the blood, and thus contribute to maintaining the "Quality of Life". The ex-organ also produces enzymes, retains the balance of the acid/base in the blood and removes waste substances.

Proteins are broken down into smaller pieces: amino acids. When these amino acids reach the cells in the body, they are converted back into proteins.
Knowledge of this wonderful cycle has resulted in a growing demand for good food supplements with amino acids. The various properties of these substances, which are also important genetically, are summarised as follows:

**Analine**
Strengthens resistance, reduces the chance of kidney stones and helps combat tiredness as a result of a too low glucose content in the blood.

**Arginine**
Produces growth hormones, increases the so-called sperm count and the quality of the sperm, strengthens the immune system and speeds up the healing of wounds. It breaks down body fat and strengthens the muscles, increases physical and mental alertness.

**Asparagine acid**
Strengthens resistance, increases stamina and removes harmful ammonia.

**Phenylalanine**
Combats depression, suppresses feelings of hunger and sometimes acts as a natural painkiller.

**Glutamine acid**
Improves brain functions, remedies tiredness and promotes the healing of wounds.

**Glycine**
Good for the muscles, blood and when the stomach has too much acidity. Helpful in the case of a sluggish hypophysis function.

**Histidine**
Helps in the case of rheumatoid arthritis and stress and raises the libido.

**Lysine**
Increases the ability to concentrate, raises fertility and can help prevent herpes simplex infections.

**Methiodine**
Lowers cholesterol levels, helps in the treatment of schizophrenia and Parkinson's disease and reduces the chance of cancer.

**Serine**
Painkiller and has a natural anti-psychotic effect.

**Theonine**
Needed for the absorption of proteins via food.

**Tryptophan**
Reduces feelings of fear, promotes sleep and is used to treat alcoholism and is a natural painkiller.
Tyrosine
Helps in the case of (sexual) apathy and stress and suppresses feelings of hunger.

Valine
Natural anabolic muscle strengthener, converts fat into muscle.

References: see Chapter 18:
1, 3, 8, 9, 10, 17, 20, 23, 24, 39, 40, 41.
CHAPTER 8
ENIGMA OF BIOLOGY

The results of many biomedical investigations carried out in the last two decades have shown that the human placenta can, and indeed does, produce a vast number of substances that are normally found in other parts or organs of the body.

The classical placental hormone HCG or Human Chorionic Gonadotropin ("pregnancy hormone"), is certainly not the only biologically active principle the human placenta is capable of producing.

To date, all of the known pituitary hormones, all of the known hypothalamic releasing factors, all of the known pancreatic hormones, all of the known ovarian and testicular hormones, various cardiac factors, neurotransmitters and many other substances that we are familiar with as originating from certain well-defined organs in the body, have been detected in placental extracts.

Moreover, in some cases it has been possible to show actual placental production and secretion of these "ectopic" hormones in laboratory investigations where the placenta was kept alive and metabolically active in vitro.

What could be the explanation for finding these substances in places where we don't expect them? Various answers are possible, some are technological in nature, others are more biological/biochemical.

For one thing, the more powerful the applied assays have become, the more instances we will come across where certain (sometimes minute) amounts of unexpected substances are found in places we don't expect, i.e. the placenta.

Simply being capable of looking more closely will cause us to find more "hits".

In addition to this technological reason, the placenta appears to be a highly deregulated organ. All "normal" organs and tissues in our bodies express a certain coherently regulated set of genes or genetic information.

An eye will make only eye proteins whereas the liver will make only liver products. All organs have well-defined instructions in order to deliver well-defined products.

How do organs and/or tissues do that? After all, we know that all somatic cells in the body contain the same total genetic information, the same set of DNA that is highly characteristic for that individual. The secret is that very specific parts of this DNA are shielded by histones and thereby prevented from being "used" and translated into proteins.

Such specific unavailability of genetic information in "normal" organs results in only part of the total DNA being expressed into meaningful products, this part yielding the specific protein pattern that is characteristic for that organ or a tissue.

Compared to the DNA of somatic cells, the placental DNA appears to be not, or only marginally, shielded by histones, thereby opening up all potential genetic information to translation into protein products. In my personal opinion, one may say that the placenta is so-called "immunological naive". Thus it is possible to find pituitary proteins in the placenta, or liver enzymes just as well.
Most of these enzymes are active in catalysing metabolic processes, such as amino acid synthesis. It is conceivable, therefore, that the placenta can produce the essential amino acids that an adult cannot make.

Scientific research has not yielded unanimous results on this subject, but it is not difficult to envisage how the placenta can form the source of literally all other products of the body, including the essential amino acids.

It remains one of the enigmas of biology how the DNA in other organs or tissues is so specifically shielded, but it is definitely arguable that the placenta can, and does, make all proteins of the body.

Why the developing fetus, or the pregnant female for that matter, "needs" such an "omnipotent" placenta AND STEM CELLS, is also an enigma to be solved. We can only be content with the fact that most human pregnancies result in healthy babies. The mother's placenta is crucial in delivering that feat.

References: see Chapter 18:
3, 10, 12, 22, 23, 24, 40, 41.
CHAPTER 9
BABY BOOMERS GET YOUNGER

As mentioned in Chapter I, injectable, oral and dermatological administration of placental extracts are indicated for several medical or cosmetic reasons. However, at the end of the last century, people, and especially the Baby Boomers generation, are highly interested in the prevention of diseases and bio-regeneration or life extension. This creates a demand for anti-ageing medicine. Dr. Ronald Klatz, President of the American Academy of Anti-Ageing Medicine states: "The silent revolution of anti-ageing medicine is so gradual yet pervasive that many of us have not even noticed that ageing ain't what it used to be".

* In 1796 - the average life span was but 25 years
* In 1896 - the average life span almost doubled to 48 years
* In 1996 - promises a healthy, productive average life span of almost 80 years for most Americans, with many reputable anti-ageing scientists predicting average life spans of 120-150 years before 2046!!

There are various theories of ageing, like the 'wear and tear' theory of Dr. Weismann, the neuroendocrine theory, the free radical theory, thymic stimulation theory, the death hormone theory, mitochondrial theory, gene mutation theory, etc.

To understand better the concept of anti-ageing medicine, we have to realise the vast majority of degenerative diseases, such as Alzheimer, most cancers, heart disease, stroke and Parkinson's disease, have one thing in common: AGEING ITSELF. More and more scientists believe that ageing is a disease itself. They don't give strict rules or drugs for immortality, but most of them are convinced the ageing process can be slowed, prevented and even reversed. It is extremely interesting to know that all researchers in this field use life extension products themselves.

The results of the (re)discovery of the so-called super hormones, like melatonin, DHEA, testosterone, pregnenolone, oestrogen, thyroid hormone, Human Growth Hormone and progesterone for life extension purpose are impressive, and not restricted to the United States. All types of synthetic hormone replacement therapy are already available to the public, even without approval of the Food and Drug Administration.

The Baby Boomers are in a hurry: they want to live longer and have an innate drive to stay healthy, mentally alert and fit for a fuller and more enjoyable, rewarding life. They accept the extrapolation of animal experiments' results straight into humans, with all the risks of unknown future side effects.

DHEA, e.g. can cause baldness in men, and that's not just what an anti-ageing Boomer wants!

High doses (>10 mg) of melatonin can provoke nightmares.

Although testosterone is not carcinogenic, it can stimulate the growth of existing or latent
prostate cancer.

The (very expensive) life extension therapy with Human Growth Hormone can cause side effects, such as diabetes, fluid retention and carpal tunnel syndrome, and abnormal growth of the nose.

There are some other reasons to be critical on life extension theories and synthetic anti-ageing drugs. Super hormones should not be taken on a daily basis, but 5 or 6 days a week, or on an alternate day treatment, to avoid hormone dependency and to keep the own body producing these hormones, even in a small amounts. Apart from that, there is a lack of a multi-disciplinary approach. Immunologists consider the immune system as independent in itself. Endocrinologists will consider the endocrine system as independent from the immune system. But shamans and ancient healers taught us centuries ago the link between emotional and physical health, and connected the body and the mind. Nowadays, this must be true for life extension as well, in order to see ageing as a curable disease.

The future, however, will not be limited to the super hormones as described above, due to the costs and potential side effects. It would be far better to look into the compounds which act as a precursor to stimulate the body to produce more 'home-grown' anti-ageing hormones in a natural way, and more freely tolerated by the body. We call these substances hormone releasing agents, hormone-secreting hormones or secretologues. Mother Nature has already given us a lot of these agents, e.g. garlic, red wine, all kinds of medical herbs, and as primus inter pares: ................ the placenta, as the real source of life.

Consequent administration of injectable or oral human placental extract can make people younger, more alert and at least increase the Quality of Life.

The effects can be analysed in different ways. In blood tests, taken before and after three months of oral treatment, where we can see an increase of: total protein, testosterone, albumin, alkalic phosphatase and a very significant rise of red blood cells. The former, transports oxygen throughout the bloodstream and ALL organs, and is essential for the normal metabolic processes in every cell, which gives more energy. We do not yet know which human amino acid, or the small amount of human iron in the product, is responsible for this phenomenon. Furthermore, the results of placental treatment can be seen, very quickly and very easily, in the retina of the eye with an ophthalmoscope. Glittering, copper-coloured, rigid arteries in the retina change into flexible, rose-coloured arteries as to be only seen in younger adolescents.

One can prove and monitor the effects of this treatment through morphologic living blood analysis, by using phase-contrast microscopy, which differs basically from the darkfield method. For monitoring reasons Polaroid pictures are often used, but saving the test results on video-tape or CD-ROM has also been done.
Subjective effects have been reported in individual cases, such as: an improved sex-life, softer skin, more regular menstruation, decrease of macular degeneration, stimulation of lactation, improvement of P.A.P. test results, and also improvement of memory. More clinical trials and other investigations will be necessary to prove the rejuvenating properties of human placental extracts.

References: see Chapter 18:
9, 10, 16, 19, 27, 29, 31, 35, 38, 40.
CHAPTER 10

NEW BIOLOGICAL ANTI CANCER “VACCIN”

Hypothesis  anticancer placenta immunotherapy  VG-1000
Text based on findings of  Dr. V. Govallo.

Since the 1960's researchers have been studying the phenomena of immune suppression in cancer and have tried to find a method of stimulating immunity so as to block tumor growth. With so far, no satisfying results.
So Dr. Govallo formulated the hypothesis of the tumor's autonomy in defending itself immunologically from host defense mechanisms. In the early stages of cancer, host immunity is not disturbed: patients recover from the always returning "flu", wounds to the skin and elsewhere, and will heal up satisfactorily.

When immunity is normal, only the antitumor defense are selectively suppressed.
Stimulating it after chemotherapy or radiation is mostly only a rehabilitative measure.

In fact, as long aggressive treatment is not done, the stem cells of cancer acquire the capacity to selectively turn of the host defenses, just as in pregnancy: the baby is not rejected!!
Here the leading role in immuno suppression is played by the placenta and the products which it synthesizes.
That means in theory that, if you knows the mechanism of recurrent miscarriages it will help reveal ways to treat and prevent oncological illnesses.

From this follows that the immunotherapy of cancer must strive not so much to stimulate host defenses as to suppress the defense mechanisms of the malignant cell.
If it were possible to breach the cancer's "immunological shield" the organism would be in a position by its own efforts to neutralize tumor growth and even to destroy it.

All, however, under the condition of early diagnosis, minimum tumor mass, if needed by surgery to "debulk" it, and a not destroyed immune system by chemo- or radio therapy.
For such anti suppressive therapy VG-1000 extracts derived from the chorionic part of well defined sources of human placentas are available.
It is not exactly clear how this placental extract effect works, but its effect and confirmed results, are mentioned by M.D. Anderson's Cancer Center, The University of Texas.
(Internet: M.D. Anderson Cancer Center-CIMER-Govallo Placental Extracts)
Only a working hypothesis can be expressed in this regard.
This hypothesis is well described in the original work of the Russian physician Dr. Govallo in 1992. From his book "Immunology of Pregnancy and Cancer", see his hypothetical scheme for anti-blocking activity of placental extract in oncological patients.

As a result of immunization with VG-1000 the B-cells of oncological patients apparently produce antisuppressor (antiblocking) antibodies which neutralize numerous embryo-like products formed by malignized cells: isoferritin, chorionic gonadotropin-like products, carcinoembryo antigen, alpha fetoprotein, TSF, and others.

These antibodies form complexes with serum blocking factors and with immunosuppressive agents fixed on circulating lymphocytes and tumor cells. As immune complexes, these antisuppressor antibodies and blocking substances are eliminated from the body, probably to a large extent through the liver.

Therefore the liver bears an active functional load, and a diseased liver, e.g. metastasis, cannot cope with this load. The removal of suppressory embryo-like products from the circulation arms the patient's effector lymphocytes, while the neutralization of the suppressory products on the surface of cancer cells makes these cells more vulnerable targets for Natural Killer cells and CytoToxic Cells.

This dual process of overcoming tumor "immunity" begins soon after VG-1000 injection: that is why the patient feels some kind of discomfort in the sites where tumor cells concentrate. The discomfort is probably associated with the development of a perifocal inflammation and the infiltration of the tumor tissue by immuno-competent cells.

The number of armed effector lymphocytes in the human body appears to be sufficient for the killing of "purified" cancer cells. However, under conditions of chemotherapy the suppressed B cells do not produce antisuppressor antibodies to the same extent as in not yet treated patients. In chemotherapy conditions, tumor cells bind molecules of cytotoxic chemicals, and the anti-tumor immune potential appears to be insufficient. Although it is not desirable to use chemotherapy and immunoembryotherapy in parallel, the possibility of their consecutive optimal use cannot be denied. Radiation therapy blocks the mechanisms for VG-1000 to a lesser extent.
Immunization with Vg-1000, which contains a broad spectrum of trophoblast antigens, can stimulate a tumor specific effector cell immunity. In such a situation the injection can be viewed as a conditional equivalent of an anti cancer “vaccine”.

Information for Physicians and motivated patients
For health care professionals a summary is given, the placental extract is worldwide used by alternative and mainstream practitioners as well.

Description
VG-1000 is produced from human placenta and consists of polypeptides complexes extracted from human trophectoderm. Trophectoderm cells produce many proteins and low-molecular weight compounds (cytokines) that all have immuno-regulatory properties.

VG-1000 is formulated as a sterile lyophilized powder for intramusculair injection after reconstitution with the supplied diluent. It is packaged in one dose ampoules, where one dose of contains 70 (+/-10%) mg. of dry powder. When mixed with 3ml diluent as Ringer solution, NaCl or water for injection.

Composition
VG-1000 contains complexes of amino-acids, enzymes, protein and precursor-peptides, related to many reproductive hormones, such as chorionic gonadotropin, placental lactogen, progesterone, estriol, and other immuno-regulatory hormones such as, AFP ( alfafoetal protein ), immunoactive cytokines and interleukins that are ligands for lymphocyte receptors.

Clinical Pharmacology
Clinical trials demonstrate that VG-1000 has a wide range of immunotrophic functions. It stimulates cell-mediated and humoral immune responses in patients with primary and secondary immunodeficiency. VG-1000 increases effector activity of T-lymphocytes during cellular immune response, such as delayed type hypersensitivity and transplant rejection. The stimulating and regulating effects of VG-1000 on phagocytic activity of neutrophils in patients with primary and secondary immunodeficiency has been proven. VG-1000 does not affect hemolytic complement activity and migration of stem blood cells.

VG-1000 is effective for treatment of secondary immunodeficiency that results from chronic and recurrent viral or bacterial infections, use of immunodepressives, radiation, and chemotherapy.

Indications
Therapy for most tumors and cancers: carcinoma, adenocarcinoma, sarcoma, melanoma, and leukemia.
Treatment of secondary immunodeficiency in cancer patients due to chemotherapy and radiation; Preventive measure against the development of secondary immunodeficiency in cancer patients due to chemotherapy and radiation

As a prophylactic measure against cancer for individuals with high risk factors.
Contraindications and Warnings
If the liver function of the patient is severely compromised, for example by metastasis, hepatitis or cirrhosis, it will be unable to process the toxic cells which are being eliminated by the patient: this could threaten the life of the patient.

Adverse Reactions
No negative side effects associated with VG-1000 treatment have been observed in either human or in vivo animal studies using high concentrations. Tests on healthy subjects showed no side effects.

Side effects in cancer patients may be explained as the result of tumor degradation, caused by the release of tissue toxins as the tumor decomposes. Some of the following reactions may appear: Swelling of reddening at the site of injection; pain, tingling, warmth or tenderness at the tumor site; weakness, fatigue, need to sleep, fever and shivering.

Oncological patients may register an increase in their tumor markers during treatment due to the release of tissue toxins as the tumor degrades. Patients should be so informed before starting.

Administration
Preferably, dry VG-1000 is mixed with 3ml NaCl or Ringer solution, then injected intramuscularly into the upper shoulder or the thigh at 3 points.

Sublingual application where the liquid solution is held in the mouth for about five minutes is acceptable.

Rectal administration is possible, however a preliminary (coffee) enema, one hour before, is advisable.

Dosage
To treat the deficiency of the immune system for patients with cancer, inject 2 doses of VG-1000, and one dose a week later, and another 1 dose two weeks later. Follow with 1 dose monthly for 12 or 15 months.

If necessary, the course of treatment can be repeated after the immune tests or scan/CT control, but no sooner than a month after the first course of treatment has been completed.

For prevention and treatment of immunodeficiency developed due to radiation or chemotherapy in cancer patients, administer one dose of VG-1000 before radiation of chemotherapy sessions. If lymphocyte depletion and somatic complications develop, repeat administration of one dose after sessions. For treatment of immunodeficiency as complication of chemotherapy and radiation in cancer patients, up to ten doses of VG-1000 can be administered, depending on the length of treatment.

The interval between one-dose administrations should be minimum a week, for half-doses this interval can be 3-5 days;
Patient's progress should be monitored, and after tumor regression, a booster shot should be administered annually as a preventative measure against recurrence.

For children, prescribe one half the adult dosage; monitor child closely.

**Special Instructions**
The effectiveness of VG-1000 is increased by the patient undergoing a cleansing and purifying dietary regimen (generally speaking, high in fresh fruit, vegetables, vitamins and supplements; low in meat, fat, sugar, salt, alcohol and caffeine) before, during and after treatment.

For patients with liver insufficiency, the dose should be reduced to 1 ml. and administered every 3-5 days. Liver enhancing substances like Dr van Ewijk JAMU Liver should be prescribed during the course of treatment, and the consumption of alcohol avoided.

For patients with renal insufficiency, herbal teas with diuretic properties like Dr van Ewijk JAMU Kidney should be prescribed.

**Overdosing**
Since VG-1000 is not toxic, overdosing is unlikely. No fatal dose has been found in animal toxicological experiments at supra-maximal doses.

**Shelf Life and Storage**
24 months in dry form. Dry storage at room temperature, protected from direct light and heat of more than 25°C. Liquid solution may be stored in frozen form. If refrigerated, use within 24 hours.

**Dispensing**
As a biological natural food supplement by prescription from a qualified health care practitioner.

**Quality Control**

**VG-1000 LABORATORY QUALITY CONTROL**

(document as an example only)

Quality control is assured through a stringent process throughout the entire production cycle. The directions of the WHO Expert Committee on Biological Standardization Forty-third Report, technical report series no. 840 and 858, and WHO Expert Committee on Specifications for Pharmaceutical Preparations, technical report series no. 823, are followed.

1. Volunteer maternal donors are screened through the maternity clinic by their obstetrician and gynecologist. Medical records are reviewed for a favorable health history and the following tests are conducted on the donor through blood sample analysis:

   **Donor investigation:**
   1. Gonorrhea
   2. Syphilis
   3. HbsAg
2. The individual placenta is harvested immediately at birth, the placental tissue is repeatedly lavaged with distilled water (ratio 1:5), and lavaged with physiologic salt solution NaCl (ratio 1:5) to remove blood content. The tissue is homogenized in physiologic salt solution (ratio 1:1), the homogenate is incubated for 48 hours at -4 degrees Centigrade, the liquid fraction is separated, centrifuged, tested for content of proteins and then lyophilized in glass ampoules.

Native material investigation:
1. Common protein
2. Syphilis
3. HbsAg
4. HIV I/II
5. HCV
6. HepA
7. HGH
8. AFP (alpha feto protein)

3. After lyophilization, the final product is tested again on an individual batch basis according to the ELISA method.

Finished Product Investigation:
1. Common protein
2. HbsAg
3. HIV I/II
4. HCV
5. HepA
6. HGH
7. AFP
8. Progesterone
9. Sterility
10. Pyrogen

Example of Quality Certificate
VG-1000 – lyophilized hypodermic
Series 58

Native preparation has been received 20.01.04; lyophilized – 26.01.04

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Valid till – 01.2006
Head of the Laboratory
CHAPTER 11

Why the baby isn’t thrown out

B-FERTYL

(Disclaimer and Notice: This text is a draft on the subject and is not complete or final. The text and items are intended for informational purpose only, nothing in the text is intended to be a substitute for professional medical advice. For medical advice: consult a physician. The text does not make any promises with regards to the product mentioned. B-fertyl was as a pilot research extract only used on a big scale in a clinical trial ± 1995 in a country with a so called "negative birth percentage", it was never available to other physicians or introduced to the general public.)

B-fertyl is a Immune Regulator for Recurrent Spontaneous Abortions, which works to create a healthy, strong placenta, essential for a successful pregnancy and live birth. Through a newly developed technology, B-fertyl is obtained from human placental tissue.

MYSTERIES OF MISCELLANEOUS

Conceiving is instinctively part of a woman’s psyche, and most human pregnancies result in healthy babies with normal, uncomplicated deliveries. Miscarriages as such exist as long as babies are born and are, in some cases a signal from Nature for eventual birth malfunctions. These spontaneous abortions usually happens in the first trimester of pregnancy for a variety of reasons like trauma, infection, hormonal imbalance, use of drugs, alcohol, tobacco or a poor diet. Also a lack of folic acid and other nutrients or chromosomal anomalies in the fetus are conditions for a miscarriage. Occasionally they occur for other reasons like uterine abnormalities, environmental issues and certain underlying medical conditions. These problems are traditionally treated by an obstetrician or gynecologist, that is a medical specialism with limited or no academic training in advanced clinical immunology.

Since the introduction of the anti contraceptive pill, women control their own fertility and gain more control over their lives. With more and more women putting off child bearing until later in life however, it is important to be aware of their fertility lifecycle and the increased risk of miscarriages.
Pregnancy is harder for older women; as when women reach their late 30s and early
40s there is an increased risk of 84% of miscarriage.
The same risk holds true for ectopic pregnancy.
One out of six women has lived through a miscarriage.
That rate is actually even higher, because most pregnancies end before a woman
ever discovers that she is pregnant.
Couples usually go on to have a healthy pregnancy the next time.

The pain of losing a child, even if that future baby is not yet born, is a cruel finish
of hopes and dreams of the parents, and can run deep and long.

NEW INSIGHTS

Over the last three decades immunologists have been more involved in both the
background of pregnancy and birth as well as miscarriages.
Invitro fertilization is available all over the world, and has a average success rate of
50% after 3 cycles. However due to the costs of about $10-15,000 each month, not
everybody can afford it.
Scientific publications appears with dramatic sounding titles, such as:
"Keeping mother at bay" and "Why the baby isn't thrown out?"
As you may learn in this book, even today there is not a good answer to that last
question.

Immunologists are very clear about recurrent miscarriages, a well known opinion
leader, said:
"The main reason (92%) is inadequate development of the trophoblast cells, which
the ovum develops when it implants to the uterus. If this primary placenta is
inadequately developed, the ovum cannot adhere properly and is not viable.
Hence our purpose is to promote development of the trophoblast, in order to
prevent spontaneous abortions. This is the viewpoint of many immunologists who
deal with questions of reproduction and spontaneous abortion. We try to stimulate
development of the lymphokines:those macromolecular products which are needed
for the development of the primary placenta.
These are stimulated by a special placental extract as only a healthy placenta can
give a healthy baby".

WHEN THE PLACENTA IS SICK............

In general, peoples attention goes to the baby, not the afterbirth, which is considered
a disposable waste organ. We do know little about this wonderful organ, as the
source of life.
Only recent research shows an impressive list of diseases and abnormalities of the
human placenta.
We mention: Intervillous thrombosis(36%)/ Massive perivillous (22%)/ Placenta
infarct(25%)/Placenta necrosis
(50%)/Subchorionicfibrin(20%)/Hydatiformchange(1%)/Chorioangioma(1%).
Furthermore are known: Placenta Previa, Placenta Accreta, Placenta Increta, Placenta Percreta, Placental Abruption and Placental Tumors.

The skilled obstetrician or sonographer will notice these characteristics of placental diseases in early stage by ultrasound scanning. The pregnant woman will suffer from severe bleedings and the inadequate placenta will cause spontaneous abortion. A lot of research in this particular field is pending now for more understanding of the working mechanism and immunology of human placenta as The Lost Organ...........

Conventional Treatment of miscarriage.
As discussed before, failure to bear a child has a polyetiological character. Disorders of the hormonal homeostasis typical of pregnancy is among the most important causes. Human chorionic gonadotrophin (HCG) is the chief hormone furthering the physiological development of pregnancy, as it acts as a general immunological regulator. Tests of the concentration of this hormone in blood serum or urine of a pregnant woman are presently largely used to diagnose the risk of spontaneous abortions. A concentration less than the norm indicates pathological changes in the development of the pregnancy, and a risk of spontaneous abortion in particular. To avoid that risk, HCG hormone can be injected. This treatment exists since 1958, and the material is obtained from urine of pregnant women. In The Netherlands an active wellknown movement “Moeders voor Moeders“, or “Mothers for Mothers“ serves as the HCG source for Organon Laboratories in Oss, place of birth of Dr William H van Ewijk. There are much more pharmaceutical preparations and other hormones like Microfollin placental estrogens, somatomammotropin, follitropin alpha and beta. They all are used for the treatment of spontaneous abortions caused by hormonal malfunction. This correction of endocrine disorders helps prevent miscarriages in 70,6% of women.

Recent treatment of miscarriage.
Often inadequate development of the ovum is due to inadequacy of the immune reaction wich stimulates development of the placenta. If the woman has an inflammation or some other reason why her body cannot recognize the spermatozoids, she can be provided with a supplementary antigenic stimulus. The statistics of this late sixties method were very good using the husbands leukocytes( not lymphocytes). But they had to be harvested from the husband at the very moment, one couldnt gather them today and use them tomorrow. The method did not use any kinds of special reagents except heparin, the precipitated leukocytes, about 120 million( derived from 250ml of blood), were intramuscular injected in the future pregnant woman.
Thousands of healthy babies were born in the former Soviet Union using this method.

In principle this original approach can be seen as a kind of hypo-sensitization treatment (like 'allergy shots') to make the immunosystem of the mother less sensitive to the father’s antigens, as present in half of the fetal unit of placenta and future child!

In June 2000 scientists from the Academical Hospital of the Vrije University (VU), Amsterdam in cooperation with the Leiden University Medical Centre, both in The Netherlands, discovered a sharp increase of tolerance/acceptance of fetal material by the mother’s immunosystem if these women had the habit to swallow their husband’s sperm.

Also a decrease of typical pregnancy deseases like pre-eclampsy, was observed. Even if the number of 85 women involved in this trial was small, the conclusion was not surprising from an immunological point of view. It confirms the hypo-sensitization phenomena as seen in the leukocytes injections.

As could be expected these days, some food supplements are useful, not only for better fertility, but as adjuvant therapy for recurrent spontaneous abortions, such as preconception low dose folic acid, vitamine B complex, Bioplacental and organic zinc.

IMMUNE THERAPY FOR RECURRENT MISCARRIAGE

Louis Pasteur and Erich Koch, as founders of immunology, thought of immunity purely as a defense mechanism, but it is also a reaction which protects and guarantees life enabling all of the trillions of cells in the human body to work together in harmony.

Immune reactions commence from the moment of conception and continue until birth, and one of the most important of these is the set of reactions which protect the fetus. All these reactions are part of a well orchestrated immune-regulated process. Protection from outside intrusion is not the principal task of the immune system. When fertilization occurs outside the body, e.g. in the case of fish eggs, where the male fish deposits his sperm on the eggs in the water, there is no problem, because this occurs in the water.

But when this whole process is occurring inside the organism, the immune system plays a major role. The first placental animals appeared with an already developed immune system, so immunology plays a major role in the conception of
As the main reason for recurrent miscarriage is inadequate development of trophoblast cells for the good development and implantation of the primary placenta, a special new extract made from a special area in the human placenta seems to be a logical and natural step. This vaccineline extract, does contain all essential and non-essential human amino acids, as precursors to produce home made hormones like the important HCG hormone. Various enzymes, essential for a healthy placenta and healthy baby, like indoleamine dioxygenase (IDO), acyl transferase and many protein fission enzymes like serine protease and cathepsin A, are typically present in certain lobes and at the interface of human placenta used for the preparation of B-fertyl.

**FREQUENTLY ASKED QUESTIONS ABOUT PLACENTAL EXTRACT AND ITS EFFICACY**

- **Who was Dr. Valentin Govallo?**
  

- **What is the result of his inventions?**
  
  He developed methods for treating women prone to miscarriage, even if they had had several miscarriages. He also developed a therapeutic process to eliminate tumors and halt metastasis in cancer patients. The foundation of his thinking was based on the study of the human immune system, and represents pioneering work in immunotherapy.

- **What benefits are there for patients?**
  
  Dr. Govallo treated his patients with a series of injections of a serum derived from fractions of placental extract. He has been developed two products from his research, VG-1000 for cancer therapy and in 1995 B-fertyl for the treatment of miscarriage. Documented records, from that decade shows a 91% success rate in the bringing of a baby to term. For cancer cases, 77% enjoyed a 5 year survival rate, and 57% had a 10 year survival rate.
• What are these products?

They are primarily constituted from natural, organic, human biological extracts, which have been selected, tested, purified and transformed into the medicines. They fall in the category of alternative, or biological medicine, as opposed to conventional, allopathic medicine.

• Why are these products made from placenta?

The placenta is a remarkable organ which maintains a fetus alive during a mother’s pregnancy period, and contains numerous substances (proteins and precursor peptides) necessary to sustain life.

• Are these products safe?

Inherently safe, yes. They modulate the immune system of the patient. They are not toxic, and have no severe side effects.

• Can there be an allergic reaction?

Sometimes a mild one is observed in the form of a swelling or redness at the site of injection, as is common with vaccines.

• What is miscarriage?

One explanation is that miscarriage is an immunological imbalance, whereby the mother’s immune response is stronger than the fetus’, allowing the mother to reject the fetus which is alien to her, as it is partially composed of its father’s genetic material.

• How does e.g. B-fertyl work in preventing miscarriage?

The placenta protects the fetus by producing blocking substances that stop the natural tendency of the mother to reject the foreign being. This extract, composed of placenta, reinforces the natural qualities of the placenta by providing more blocking proteins for the fetus.

• Is there a risk for pregnant women to take placental extracts, either for themselves or their embryo?

No side effects have been observed, and the product is not toxic.

• What is the parallel between pregnancy and cancer?

There are similarities between the mother-fetus relationship and the patient-tumor relationship. Like the fetus in utero, the tumor possesses its own immune mechanism
which protects it from the immune system of the host. Much more research is needed to understand this phenomena.
CHAPTER 12

FIDELITY WITH FILATOV'S BIOSTIMULINES

FILATOV 3000™

INJECTABLE BIOSTIMULINES FOR REJUVENATING

(DISCLAIMER and NOTICE: This text is a draft on the subject and is not complete or final. The text and items are intended for informational purpose only; nothing in the text is intended to be a substitute for professional medical advice. For medical advise: consult a physician. The text does not make any promises with regards to the product mentioned. Mainly due to laboratory technical reasons this product was used in 2002 in clinical trials only and never available to other physicians or introduced to the general public.)

This information gives a historical overview of the medical applications of biostimulines. It gives a better understanding of the effect of FILATOV 3000™ with special emphasis on the range of uses of injectables. We start with some general information on the placenta.

The placenta, also called the afterbirth, is a wonderful organ. It acts as the lungs, intestine, kidneys and hormonal glands of the foetus in the mother’s womb. The placenta and the umbilical cord, which connects the placenta to the unborn infant, represent a sheer inexhaustible source of classical and new pharmaceutical products, ranging from gamma globulins, hormones (such as gonadotropins), anticoagulant factors, stem cells in bone marrow anaemia, growth factors, etc.).

The placenta is also the source of other hormones with hypophysis-like effects, including HPL (related to growth hormones), HCT (related to TSH) and HCC (related to ACTH).

(For a comprehensive discussion see H. Bohm, Biochemistry of Placental Proteins, in Proteins of the Placenta (ed. P. Bishof), Karger, Basle, 1985, p. 1 - 25.)

The prime therapeutic focus on the placenta is in bio-gerontology (the scientific study of the problems of ageing) in placental therapy according to Prof. Filatov.

Although most people are unaware of it, the placenta is not of maternal origin but instead, just like the embryo, it is the product of a fertilised egg cell.
Placental tissue is actually naive, "immature", or - as is sometimes said - foetal in nature, just like the tissue of the developing embryo.

For cosmetic purposes (a more youthful skin, fewer wrinkles, etc.) as well as anti-ageing (better tissue circulation through reduced arteriosclerosis) placental therapy according to Filatov is worthy of our attention.

FILATOV 3000™ is a biological preparation, which contains biostimulins that contribute to the preservation of your vitality and biological youth. To understand the mechanism of action of these rejuvenation injections we have to make a detour to the medical placental therapy according to Filatov.

In 1946, United Press reported the death of the Russian ophthalmologist and scientist, Professor Vladimir Petrovich Filatov (1875-1946). Filatov had been awarded the Stalin Prize (the Soviet equivalent of the Nobel Prize) and was director of the Institute of Experimental Ophthalmology in Odessa. (Now the Filatov Institute of Eye Diseases and Tissue Therapy.) One of the most important achievements was the tube flap method of plastic surgery offered by Filatov since World War 1.
He perfected the technique of penetrating keratoplasty and invented a number of new instruments, which are still today being used.
In his spare time he was a gardener. Fascinating by the technique of grafting tree branches, and always interested in trying out new experiments, Filatov substituted a newly cut branch with a branch that had been cut several days earlier and had been left in a dark corner of his basement.
This branch took to the grafting more easily than the other fresh cut branches!!!
Astonished by the results, Filatov continued research and began grafting human corneas successfully, using the same principal. He extended the principal to general medicine and confirmed that the process was just as valid for other human tissue.
That is how the principal of therapeutic tissue was born.

He stated: “ALL LIVING TISSUE, CUT FROM ITS SUPPORT AND KEPT IN CONDITIONS WHERE IT IS DIFFICULT TO SURVIVE, WILL CREATE SUBSTANCES THAT WILL MAKE IT POSSIBLE FOR THE TISSUE TO SURVIVE”
Filatov was the inventor of the corneal transplantation technique and the discoverer of the Filatov method for revitalisation, as the greatest achievement founded on the doctrine of biogenic stimulators.

The latter method, however, was a consequence of his observations during corneal transplantations. The results with transplantations of fresh cornea (originating directly from a corpse in the early period after death) were good. Subsequently it was found that the results obtained with a cornea were much better when the cornea was stored in a refrigerator for some time (low temperature). Refrigerated corneas took better (less frequent rejection by the body at a time when rejection-suppressing drugs were not yet known); unlike fresh corneas, the refrigerated corneas did not become cloudy after a while. When fresh corneal transplantations were performed, however, no progress was made: for the patient it was back to square one. From observations made by Dr Fleming, the discoverer of penicillin, it was found that a fungal extract added to a bacterial culture in a Petri dish caused a clear area (ring) to be generated. Prof. Filatov established that the area around the frozen corneal transplantation became clear.

Remarkably, in some patients who had a frozen cornea transplanted in just one eye, it was found that the cataract in the other eye improved or become totally clear after a while. Naturally this was an extraordinary phenomenon and the only explanation was that the frozen cornea produced certain substances - called biostimulins - which not only had a local effect but also were able to reach the other eye via the circulation.

Although Filatov systematically continued with his eye experiments in humans and animals, he expanded his scientific interest to embrace other tissues and organs. His logical reasoning was quite simple. Frozen corneal tissue produces, in contrast to fresh corneas, bioactive substances. How was this possible? Because the first type of tissue is apparently exposed to life-threatening circumstances (physical stress). As a reaction to stress the living tissue produces biostimulins in an attempt to survive. The situation is analogous to local growth factors and other substances that our body produces locally when it is cut or otherwise wounded, and the enormous production of cortisol and adrenalin in animals and human beings in emergencies, such as danger of drowning (alarm reaction). If stressed corneal tissue reacts by producing biostimulins, how do other stressed tissues and organs behave?
This question formed the starting point for a systematic research programme, which culminated in the conclusion that human placental tissue constitutes the ideal source for the production of biostimulins in human beings with a general revitalisation effect on the organism.

Dr O. Visser, of the University of Pretoria, succeeded in reviving animal hearts after deep-freezing (report dated 10 October 1995). This was previously considered impossible. After deep-freezing and restoration to an unfrozen state, the placenta was likewise found to have remained functional, as demonstrated by the Centro Histotherapia Placentaria in Cuba and by the Dutch researchers Dr R. Maas and Dr G.H. Mulder, associated with the Free University (Vrije Universiteit) in Amsterdam, The Netherlands. The biostimulins thus obtained were used in FILATOV 3000 TM as a potent rejuvenating treatment and to improve the body’s immune system.

Another example to illustrate how biostimulins in the human body occurs: when a patient had an operation for appendicitis, the closure points of the scar are swollen and 2 days later the incision start to cure. At the same time an existing simple wound in the same patient e.g. at the leg takes several weeks to cure. Why?

An operation is a choc for the body, a trauma, and a leg wound not. The biostimulins are formed in the body area where the trauma/physical stress is caused and speeds up the healing process locally. The wound in the leg is, at that very moment, not urgent for the human body, thus the body don’t produce biostimulins in that area.

(Dr. Joel Gerson: Milady’s Standard Textbook for Esthetic Professionals).

The chemical nature of biostimulins has only been partly explained. It is known that apart from ribonucleic acids (RNAs) so-called growth factors are also present but, as in the early stages of hormone research in the nineteen-twenties, their concentration (activity) can only be measured by biological tests.

Implantation of placental tissue using Filatov’s method produces impressive results, especially in older people or in premature ageing and excessive workload (chronic stress). This is the conclusion of the Swiss Filatov specialist and surgeon Dr Paul Martin, honorary member of the prestigious College International de Chirurgiens de Lausanne. “The Filatov therapy is a natural treatment, which possesses the general ability to rejuvenate the organism biologically. Ailing and exhausted patients are able to resume their activities, endowed with a renewed dynamics, and they feel rejuvenated and full of a new élan in their work.”
Shortly after the end of placental therapy gained momentum in the Western world thanks to the groundbreaking work of the Western European students of Prof. Filatov, Prof. Mario Cordaro in Italy, the surgeon Prof. René Charry in France, and others.

Nowadays, Filatov’s placental therapy is widely used in France, Germany and Italy, while it is also employed on a small scale in the Netherlands. This method is used in surgery to stimulate tissue revitalisation in the post-operative phase, and besides being used in bio gerontology this technique is employed in the above-mentioned countries in rheumatology (arthrosis, etc.), ophthalmology (to improve retina circulation and in glaucoma), in burns units, in dermatology (sclero-derma, psoriasis, acne, etc.) and in leg sores due to varicose veins. However, we are not so much interested in therapy for patients but rather in prevention and bio revitalisation.

To illustrate the action of Filotov preparations in greater detail, Dr Paul Martin says “We know that the natural substances demonstrated by Filatov, the biostimulins, are supplied to the organism, which is able to stimulate the circulation up to the level of the most minute blood vessels, the arterioles, resulting in particular in an improved blood supply to the areas of the brain. Situated in these areas (which include the hypothalamus) are the control centres of all the body organs, as a result of which the functioning of the organs are also optimised.”

The result is most easily - and objectively - measured with the aid of blood tests (total protein, albumin, alkaline phosphatase, etc.) and observable via the retina with the aid of an ophthalmoscope. The retina is the only place where blood vessels can be observed “à vue”. Glistening, copper-coloured, rigid arteries in the retina change into pink, flexible vessels such as those encountered in young people. At intersections, hardened arteries also pinch off the veins, resulting in local hyperaemia due to obstruction to the outflow of blood from the area. Eventually the patient’s eyesight is impaired due to retinal degeneration.

Development of biostimulins found in human placenta and the use of this potent biological material are described in numerous studies made after treatments which have provided evidence of a stimulating effect on cell renewal of the epidermis, thanks to the
formation of new vessels and a greater oxygen consumption, thus better cellular respiration. Also a greater suppleness caused by maintaining a satisfactory degree of moisture in the skin, and good elasticity due to better quality of the supporting fibres. The skin experiences a kind of rebirth.

**FILATOV 3000™ placental therapy**

**Extraction**

Human placentas from young, healthy women (no hepatitis, HIV negative, etc.) are stored with the permission of the donors at an extreme low temperature during a long period of time, to obtain Filatov’s biostimulins produced by a stressed human placenta. In the laboratory, finely cut placental tissue is shaken in a suitable solvent. For the extraction of the active ingredients an array of chemical isolation methods is available, including chromatography, ion exchange, electrophoresis, dialysis, gel permeation, etc.

Apart from the vitalising and - in the longer term - cosmetic effects (smoother skin, better skin circulation, etc.) the product stimulates the immune system, while it also has - analogous to Aslan therapy - a euphoretic effect (producing a condition of euphoria, i.e. a sense of bodily comfort and well-being). This is based on the fact that the biostimulins constitute a heterogeneous collection of large and smaller molecules. Most large molecules (called macromolecules) are broken down in the intestine into their essential compounds (e.g. proteins into amino acids). Some macromolecules, however, including RNAs, can pass through the intestinal wall intact. This is significant because certain RNAs belong to the class of biostimulins. Smaller molecules, including growth factors and so-called peptides (short protein chains) and other biostimulins are likewise integrally absorbed via the intestine.

**FILATOV 3000™ IN PRACTICE**

In the September 1991 edition of the non-specialist American monthly “Longevity” a leading article was devoted to Filatov’s placental therapy, under the title: “Can human placenta keep you young?”. One of the thousands of devotees of this treatment, Jenni Lipa, President of the travel consulting firm Spa Trek International, who regularly crosses the Atlantic for placenta implantations in Paris, is quoted in this article as saying:

**Beginning about a month after my**\textsuperscript{**"**} **treatments, my skin glows, my eyes are brighter,**
I feel younger and stronger - just 300 percent better” Somewhat exaggerated, that last point, but it does attest to the experience of a new vitality.

Placenta and placental products are also used in a number of skin creams. Examples are Placenta Plus by Palm Beach Beauty Products, USA; La Prairie-crème (prohibitively expensive but very good) and PCL-E by Biodermal.

Why this digression on placenta creams? Because the situation has certain elements of common ground with the interrelationship of oral oestrogen’s (female hormones) and oestrogen creams.

They both have a favourable effect on the skin, although the effect of the cream remains limited to the skin. Since 1970, however, the oestrogen creams - owing to possible side effects through absorption - have only been available on prescription. Oral oestrogen improves, among other things, the quality of older skin. This fact is confirmed by the dermatologically proved - effect of oestrogen creams.

Placenta-based creams improve the structure of the skin. This is merely direct confirmation of the indirect effect of FILATOV 3000™ on the skin structure.

Needless to say, this is just a small facet of the broad spectrum of regenerative effects of Filatov placental preparations on the organism.

On the basis of studies by practitioners of the Filatov school (reported in more than 400 publications) the following hypothesis has been formulated (Dr. Paul Musarella): “Any living tissue, cut from its environment and kept in unfavourable but not fatal conditions, undergoes a biochemical which have the reorganisation leading to the production of biological stimulins property of stimulating the vital reactions of the deficient organism in which they are introduced”.

**COMPOSITION:** 5 ml vials with ready to use fractioned human placenta extract containing 93,65% dry bioactive biostimulins. The extract contains also 200 Units High Molecular Heparine and 0,25 % phenol.

**SIDE EFFECTS:**
No negative side effects associated with this product have been observed in either human or in vivo animal studies using high concentrations. Tests on healthy subjects showed no side effects.
Swelling or redness at the site of injection, pain, warmth or tenderness at the injection site can occur, but are temporary. Sometimes weakness, fatigue, need to sleep, slight fever and shivering is seen. Preferably an anti histaminicum or anti allergicum is given 20 minutes before the first injection(s). Heavy workload or sport and hot showers are not permitted immediately after each injection. Patients should be observed during 20 minutes after application.

**WARNING**
The distance with vaccinations, like flu or travel immunisations, should be at least 4 weeks after injection of the product, due to the fact that it can increase the (side) effects of these vaccinations.

**FOR INTRAMUSCULAR ADMINISTRATION ONLY !!!! NOT INTRAVENEOUS!!**

**CONTRA INDICATIONS:**
Phenylketonorie, cachexy and allergy for one of the components of the solved lyophilised product.

**DOSAGE:**
Depends on experience and prescription of the physician.

**OVERDOSING:** Since the product is not toxic, overdosing is unlikely. No fatal dose has been found in animal toxicological experiments at supra-maximal doses.

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CHAPTER 13

HUMAN STEM CELLS: THE ULTIMATE REGENERATION

REGENEJECT™
INJECTABLE UMBILICAL CORD STEM CELLS

(DISCLAIMER and NOTICE: This text is a draft on the subject by Dr. William H. van Ewijk, M.D., M.A. and is not complete or final. The text and items are intended for informational purpose only, nothing in the text is intended to be a substitute for professional medical advise. For medical advise: consult a physician. The text does not make any promises with regards to the product mentioned. Regeneject was used by Dr. van Ewijk himself in 2004 and 2005 with remarkable results, however due to the technical impossibility to lyophilize the extract, and the need for huge financial investments, the product could never be commercialised.)

This information gives an overview of the actual medical applications of umbilical cord stem cells, The Rolls Royce of all human cells.
It gives a better understanding of the effect of REGENEJECT tm on selective biological regeneration of the human body and organs.

STEM CELLS
In an article published by the White House on 9th of August 2001, President George W. Bush approved a federal research funding of US $ 250,000,000 towards human placenta research.
This large funding is approved because it is proven that the human placenta and umbilical cord is an ethical and abundant source of stem cells. Embryotic stem cells offer the most promise because these cells have the potential to develop in all of the (healthy) tissue in the human body.

Stem cells, are the omnipotent and polyvalent basic building-block-cells of life. During embryonic development they specialise to become all the various types of cells of the body, from cardiac muscle cells, nerve cells, red blood cells or skin cells, or e.g. even the cells, which can make an ear, eye, or liver. Later in the fully formed body, stem cells repair damaged tissue and continuously replace depleted cells, for example the replenishment of our red blood cells. The stem cells perform a crucial role in the health and well being of every one of us. They can be used in transplantation to heal areas where cells and tissue are dangerously missing or damaged.
All human cell types develop from these as yet undifferentiated (non specialised) cells. After birth the human body still has access to so called pluripotent, universal, stem cells.
These cells can develop into almost every type of tissue and are also present in various organs of the body.
The most well known source however is bone marrow, and it is easily, but very painfully accessible from the hipbone, by drawing out a sample under local anaesthesia. In this bone marrow, many stem cells are present which form our blood and create and maintain our immune system.
Another excellent source of stem cells is tissue and blood from the umbilical cord.

UMBILICAL CORD
Embryonic stem cells are undoubtedly the most potent type of stem cells in combating disease, however these cells are taken from the early embryo or later foetus, and sometimes they are made (extracted and multiplied), solely for this purpose. Stem cells from umbilical cord are an excellent, ethically acceptable source for regeneration cells, and there is no possibility of rejection due to the immunological naive properties of these embryonic cells: they are not programmed yet!!
The umbilical cord is usually discarded after birth together with the placenta.

The umbilical cord however contains millions of stem cells of high quality, which can be collected easily and in a total non-invasive painless way for mother and child after the baby is delivered. It is important to note that stem cells from the umbilical cord are practically not allergenic and not usually contaminated, for example by external viruses, nor have they been exposed to environmental factors like radiation or toxic chemicals and frequently used drugs like antibiotics and steroids.

In (future) research we do have the technology to expand the stem cells in vitro (outside the body) by a factor of 10 or 30 times, without losing any quality: the stem cells remain vital an do not differentiate into more specialised cells, they can be used prior to transplantation.
In the case of a heart attack, for example, one can take the stem cells from the patients hip bone, when still in the hospital, multiply them in the laboratory over the next few days, then transplant them directly at the site of the damage (blockage or narrowing) to help build healthy new blood pumping tissue. This prolongs patient’s lives and leave them less dependent on drugs for may years.

It is a complete misunderstanding that human beings could be cloned from stem cells.
Stem cells are used to make sick people better, to tackle some of the most devastating diseases of our time which affect millions of people worldwide.
Besides that, the stem cells in REGENEJECT tm are inactivated by the extraction process. They never can be used for cultures for expanding their numbers!!

THE BIOCHEMICAL BASIS OF REGENEJECT tm THERAPY
For seven decades a dedicated growing group of international physicians has been achieving impressive results in an ever widening array of pathological conditions and
metabolic challenges through the intramuscularly injections of suspensions of embryonic cells. This form of therapy, essentially organised and pioneered by the late Swiss Paul Niehans M.D., came to be known as live cell, or cellular therapy. While cellular treatments came to be relatively well known and medically accepted in Europe (research involving a Nobel laureate as well as a number of other medical and scientific notables) the biochemistry of just how cellular suspensions were capable of treating everything from eczema to advanced degenerative diseases of all kinds, including cancer, has up to now largely been speculative. Because the notable achievements of cell therapy, now numbering in the hundreds of thousands of cases, have been empirical observations without a bolstering biochemical explanation, allopathic medicine has largely ignored or opposed this therapeutic approach.

The contribution of cell therapy to both regeneration and thus rejuvenation can no longer be seriously doubted. Its prophylactic and regenerating use in advance of actual therapeutic need points to genuine utility in retarding the ageing process, repairing organ tissues and in the overall enhancement of the quality, as well as the quantity, of human life. Until the advent of radioactive tagging, cell-therapists could only rely on empirical evidence to prove they were getting results with cellular therapy. Modern research, which strongly supports the empirical evidence, has come from such groundbreaking research as that of Schmid and Lettre of the University of Heidelberg and Professor A. Kment, University of Vienna. Dr. Schmid showed in animal tests that immediately following injection cellular groups and tissues from donor animals are transported in the host blood to counterpart organs and tissues. It was measured by radioactive isotopes labelled extracts and a Geigercounter, how the extracted cells reach the target organs and tissues. Weiss at the Rockefeller Institute conducted experiments which demonstrated the self organisation capacity of cells so that genetic information contained within specific kinds of cells, like stem cells, reacts in such a way that the mass of cells become identifiable as tissues. These experiments indicate that embryonic cells have specific affinity and exhibit selective adhesion for damaged cells in the organs of the human body. We now know enough about the immune system that only embryonic stem cells are able to regenerate the function of all organs, when they are collect before the maternal immune response was in place. There is much evidence to indicate that stem cells are associated with the tuning on of genes (derepression), first in the fetus, in regenerating liver and finally in cancer (cell proliferation) and other diseases representing a state of dedifferentiation or foetal state.

One of the biological structures in the extract is DNA, the master template present in all cells, which contains the total information for synthesising and defining all of the protein in the body, including enzymes. Mechanisms are known whereby these highly significant
biological materials may be incorporated into cellular DNA in the same manner as viral DNA, thereby potentially replacing a damaged gene in an old cell with an intact one.

**DURATION OF RESPONSES**
The following description of the response to intramuscularly injections of embryonic cells is typical and does not imply that these effects are seen in every instance exactly as described.

The first response is a transient one and occurs within 24 hours following injection but may be noticed after only 4 hours. This rapid response may result from the fact that whole, intact cells are contacting the cell recognition receptors of adult muscle tissue. The cells are also bathed by adult serum possibly coming into contact with mitogens to which the cell is responding. These external stimuli may be capable of causing the synthesis of new cell surface receptors followed by an internal response resulting from contact with adult tissue receptors already present. Also at this stage is the synthesis by the fetal cell of alpha-fetoprotein, which has an inhibitory action, directed towards the immunological response of the host to the injected cells.

A second transient response is noted after 4 days. At this time no cellular material remains.

This effect may arise from liberated fetal cell recognition receptors contacting receptors already present on cells of the recipient. If such receptors were either deficient of defective, the response would be a basic genetic one, reaching to the DNA of the cell. Genes long dormant are activated resulting in the synthesis of hormones, enzymes and other substances vital to normal cell functioning.

Following a period of approximately 4 months a more permanent response is noted which might last for many months. As a result of contact with embryonic cell receptors host cells are restored to normal activity and contribute a cyclic effect to the whole body whereby improved performance of one organ assists all other related organs.

When either whole cells or isolated membrane fragments contact cells, the binding is at first reversible and then becomes irreversible. This permanent binding explains the long term, long lasting effects, seen clinically with stem cell therapy.

**INDICATIONS**
Umbilical cord tissue contains stem cell types responsible for the renewal and regeneration of all kind of damaged tissues like fat, muscle, nerve cells, liver cells, bone and cartilage tissues.

In the future living stem cells will be applied directly at the site of the damage, e.g. to repair a heart muscle. There are also strong indications that physicians will soon be able to treat Parkinsons, Alzheimers, multiple sclerosis and diabetes. These diseases occur where a cell type is missing, or has stopped being produced, as we get older, and the stem cells step in to replace them. Gene therapy, to correct some hereditary diseases can these days only be performed with stem cells.

An overview of the current applications of stem cells was published recently in the British Medical Journal.
General accepted indications:
-Acute lymphoblastic leukaemia- Multiple myeloma- solid tumours such as neuroblastoma.

Rising indications: Autoimmune diseases like systemic sclerosis- different leukaemia s.

Experimental indications: Amyloidosis- other solid tumours-juvenile chronic arthritis.

Furthermore cell therapist had demonstrated the utility of cellular therapy in the following conditions and challenges:
Neuromuscular disorders hormone dependent dysfunctions including a full range of sexual disorders chronic dermatological disorders like psoriasis and eczema
Chronic arthritis of all kinds
chronic pancreatitis
liver cirrosis
allergies of all kinds
genetic and hereditary disorders including mental retardation
chronic lung disease
chronic kidney disease
auto immune disease
narcolepsy
treatment of gastric and duodenal ulcers
inflammatory diseases
general regeneration.

COMPOSITION:
5 ml vials with fractioned and inactivated umbilical cord stem cells extract containing:

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<td>Estradiol</td>
<td>6598.00 pg/ml</td>
</tr>
<tr>
<td>04.04.2005</td>
<td>ID 00014887</td>
<td>FSH</td>
<td>1.13 IU/l</td>
</tr>
<tr>
<td>04.04.2005</td>
<td>ID 00014887</td>
<td>LH</td>
<td>0.56 IU/l</td>
</tr>
<tr>
<td>04.04.2005</td>
<td>ID 00014887</td>
<td>Progesteron</td>
<td>1.74 ng/ml</td>
</tr>
<tr>
<td>04.04.2005</td>
<td>ID 00014887</td>
<td>Prolaktin</td>
<td>53.59 mU/l</td>
</tr>
<tr>
<td>01.04.2005</td>
<td>1159</td>
<td>Sterility</td>
<td></td>
</tr>
</tbody>
</table>

SIDE EFFECTS:
No negative side effects associated with this product have been observed in either human or in vivo animal studies using high concentrations. Tests on healthy subjects showed no side effects. At the recommended dosage no serious side effects have been observed, the product contains only natural substances.
Swelling, redness, and some inflammation at the site of injection, pain, warmth or tenderness at the injection site can occur, but are temporary. Mostly, weakness, fatigue, need to sleep, slight fever and shivering is seen, the first 48 hours after injection. Patients should rest on the day of injection and if possible the day after. Preferably an anti histaminicum or anti allergicum is given 20 minutes before the first injection(s). Sometimes an immune suppressor like cortisone is given before the second and follow-up injections. Heavy workload or sport and hot showers are not permitted immediately after each injection. Patients should be observed during 20 minutes after application.

**WARNING:**
The distance with vaccinations, like flu or travel immunisations, should be at least 2 weeks after injection of the product, due to the fact that it can increase the (side) effects of these vaccinations.

FOR INTRAMUSCULAR ADMINISTRATION ONLY !!!!! NOT INTRAVENOUS!!

**CONTRA INDICATIONS:**
Phenylketonorie, active tuberculosis, cachexy and allergy for one of the components of the solved product. It is NOT used during pregnancy and during breast-feeding.

**ADMINISTRATION:**
*Only* by intramuscularly injection, SHAKE WELL, hand warm, after aspiration, deep intramuscularly e.g. in the thigh, given by a qualified professional health care practitioner.

**DOSAGE:**
Depends on experience and prescription of the physician. To exclude any undesirable side effects an intracutaneous test in the lower arm before starting treatment is recommended. If, after 20 minutes, there are no signs of any allergic reaction, locally or systemically, each 4 months one injection of 4 ml is given, during one year and then every 6 months, till the desired regeneration effect is reached.

**OVERDOSING:**
Since the product is not toxic, overdosing is unlikely. No fatal dose has been found in animal toxicological experiments at supra-maximal doses.

Copyright: EW 2005.

**LITERATURE**
In some of the mentioned literature, you will find more information about stem cells and their potential actual and future clinical applications.
Ferreira E., Pasternak J., Bacal N. et al. Correspondence: Autologous cord blood transplantation. Bone Marrow Transplant. 1999; 24: 1041


CHAPTER 14

CONCLUSION AND SUMMARY

There are not that many medical scientists world-wide doing research on the placenta as a total organ. Scientists expect to discover many new applications, after all, new compounds are found in the placenta every day. Thus causes new scientific magazines like "Placenta" and "Stem Cells".

The new compounds may one day be necessary and used to diagnose and to treat diseases and effects yet unknown.

Therefore, it is important for every mother and every child to preserve their own placenta as a source of life for times to come. Remember, the baby has this chance only once in his entire lifetime.

In the case that autologous placental material is lost, it would be worthwhile to look into the various available human placental products, such as placental injections and oral human placenta products, which contain well-documented human amino acids, biostimulins, hormones, minerals and vitamins, because if indicated for medical purposes or for whatever reason, the affinity of these compounds to the human body will always be far better than amino acids or other compounds animal or plant derivatives.
CHAPTER 15

RESEARCH PROJECTS NOT INCLUDED IN This @Book

(since 1973)

Co-investigator in randomised clinical trials of the arhythmic properties of Benziodarone and Benzbromarone - 1973 - University of Amsterdam.

Co-investigator in a prospective clinical study of natrium valproate in patients with the Chorea of Huntington - 1974 - Valerius Clinic, University of Amsterdam.

Co-investigator in a randomised clinical trial with anti-emetics in mechanical and psychic vomiting - 1974 - University of Amsterdam.

Co-investigator in a clinical study on a new anxioliticum - 1975 - Valerius Clinic, Amsterdam.

Co-investigator on a peripherical vasodilatator in geriatric patients - 1976 - Geriatric Clinic, Amstelveen.


Inventor of multi-allergen discs for in vitro diagnosis of allergies in the Elisa system - 1979 - University of Amsterdam, Pasteur Institute, Lille, University of Leuven, Belgium.

Principal inventor in the first clinical trial with allergens of moulded hay in asthmatic horses - 1980 - University of Utrecht.

Co-investigator on Canine Atopic Dermatitis - 1984 - University of Utrecht, University of Gainesville, Florida.

Investigator and developer of a in vivo test on Histoplasma Capsulatum - 1984 - Stanford Research Institute, University of Berkeley, California.


CHAPTER 16

ACKNOWLEDGEMENTS

I would first like to express my very sincere appreciation to my 'promoter' Prof. Georges Halpern M.D. PhD., University of Davies, California, United States. His continuous support and steady encouragements during many years have been of great value to me and has made this project possible.

In addition, I very truly wish to thank my second 'promoter', Lord Pandit Prof. Dr. Sir Anton Jayasuriya, Dean of the Open International University for Complementary Medicines, Colombo, Sri Lanka, for his generosity and with respect to his initiatives to create and stimulate new paradigms of health care.

My father, who died in 1952, has missed all that has happened with me. I was inspired by his pioneer work in 1926, when he was Head of Research of Organon Laboratories, Oss, The Netherlands, on the isolation of insulin out of pork pancreas.

I think he would be satisfied with the level of research I have reached scientifically. I really thank him and my mother that I exist.

I sincerely thank Dr. Gerhard Mulder, Department of Gynaecology, VU University, Amsterdam, The Netherlands, and Dr. Reinhard Maas, Head of Gynaecology, Slotervaart Hospital, Amsterdam, The Netherlands, for their basic research work during many years on human placenta and their true support for the revolutionary idea of the storage of the placenta for later autologous re-use.

I also like to thank Ir. Leo Kwak, President of Diepop B.V., Waalwijk, The Netherlands, for his co-operation and impressive knowledge of freezing techniques.

Special thanks to Mrs. Agnes Leereveld, Amersfoort, The Netherlands, who supported me strongly in informing the public about our Placenta Bank, and Mrs. Ella van Dam, Diemen/Amsterdam, The Netherlands, my secretary and 'face' of the Placenta Research Foundation.

The same appreciation I would like to express to the Board of Directors of Ritzen Koeriers, Amsterdam, The Netherlands, especially His Royal Highness Prince Bernhard van Oranje, and Drs. Paul Mol for the set up and logistics of the Placenta Collection Service.

Without their enthusiastic and courageous co-operation along with their ideas, the Placenta Plan could never have been realised.

Special recognition goes to Mrs. Giselle Sohm in Monaco for editing this text and Mrs. Julie Francis in Beaulieu, France for proof reading the manuscript.
CHAPTER 17

MAKE YOUR OWN PLACENTA EXTRACT

This text is part of a placenta patent application, and may be somewhat technical for the average reader.
At least it gives an impression that isolation and purification of a special part of the human placenta is not easy, even for skilled laboratory workers.

However, you can indeed make your own placenta extract, for immediate use only.

Take part, or entire afterbirth, after removing membranes and cut into smaller pieces.
Add distilled water, half of the quantity of placental tissue. Mix in a blender for about 2 minutes, filter the solution the best you can.
This final solution can be sterilized by sterile filtration over a Millipore 0.5 u membrane filter (Ask your pharmacist)
This extract is not suitable for injections, but can be taken orally (sublingual) or rectal after a (coffee) enema.

For your information: here follows the professional method:

A preparation for the medical and/or cosmetic application using placenta complex as active component, method for its manufacture and method for its medical application.

The present invention relates to a preparation for the medical and/or cosmetic application to a woman or the child of that woman, using placenta complex as active component, as well as a method for the manufacture of such a preparation.
The invention relates further to a method for the medical application.

It is known that the afterbirth (Greek: plakoeis, plakoentos; flat cake = placenta)
functioned as nutrient medium for the embryo during pregnancy and will hereafter be called placenta.
A placenta weighs about 600 g and has a diameter of 16 to 18 cm, and contains about 200 ml blood, taken up into tissue as with a sponge.
It is a human organ with a temporary function.
It is also known that this placenta, during its function as source of life or the unborn child, is extremely rich in blood and is rich in proteins such as albumins, hormones such as oestrogen and other substances such as deoxyribonucleic acid and ribonucleic acid.
The winning of human albumin (a blood plasma surrogate) from placentas, gammaglobulins, immunoglobulins such as IgG, IgA, IgM, amino acids and other biological substances, for pharmaceutical or diagnostic purposes, is also known.
Extensive research into components of the placenta is carried out every day, and daily new substances are found in it.
The extraction and fractionation technique used here is based on and modified according to E.J. Cohn, "Separation into fractions of Protein and Lipoprotein Components", Boston, December 12, 1945 and is only applicable on an industrial scale.
The substances thus found for pharmaceutical purposes are by and large indicative for inherent or acquired immunodeficiencies, congenital and acquired a- and hypogammaglobulinemia, cancer therapy, acute loss of protein through burns, serious recurring bacterial infections, septic conditions in newborn and premature babies, osteomyelitis, meningitis. Further, pharmaceutical application occurs with serious viral infections such as virus meningoencephalitis, hepatitis infectiosa and with contamination by the H.I.V. virus. Also, extracts of placentas are used for the prevention of viral infections in older and weakened, higher risk patients, as well as with patients undergoing immuno-suppressive therapy.

It is used as immunostimulant with cancer, as immuno-suppressor for the prevention and therapy of rejection symptoms with organ transplantations and for the treatment of serious aplastic anemia in patients who are not eligible for bone marrow transplantation.

In addition, since the discovery and winning of proteins of biological source, i.e. from human and animals, placenta complexes or derivatives thereof exist, which are used in cosmetics, such as regenerative creams, with the objective to improve the elasticity of the skin and to inhibit or stop cell degeneration.

To this purpose the placenta complex is applied as exogenic factor in order to stimulate cell regeneration, which brings about the desired skin functions, such as they normally occur in a young skin. The cosmetic preparations used contain placenta complexes or their derivatives of which it is not clear whether they are of human or animal origin. Of whichever origin they may be, it is known that substances foreign to the body, such as proteins, when administered to humans either via the parenteral, oral, rectal, or topical way, may cause anaphylactic reactions, allergic reactions, intolerance syndromes and intoxication.

In 1967 the World Health Organization, via the National Biological Standards Board, determined that the International Unit for the immunoglobulins G, A and M in human blood was to be 0.8147 mg.

The intolerance syndromes, mentioned earlier, for these proteins foreign to the body are also the reason for extremely low and therefore insufficient therapeutical concentrations and dosages in topical applications, while in systematic application dosages have to be extremely high because of rejection, thus non-activity, of the greatest part of the foreign body proteins. In view of the indications for pharmaceutical application described earlier, these preparations are used mainly with serious disorders in life threatening situations, and only then are the side effects acceptable.

When using "pooled" human placentas and in view of the extreme saturation of the afterbirth with blood, there is a risk which must not be underestimated regarding
intolerable infectious diseases of bacterial or viral ethiology.
It is known that, even when taking blood in the usual manner from donors, during storage
and transfusions, the diseases mentioned so far can be transferred to non-infected people.
Among other things this has led to the taking, storing and administering of autologeous
blood and blood derivatives.
Apart from the risk of infection one also avoids the problem of blood group
incompatibility and optimal, ideal toleration is brought about.

Another aspect which led to the invention is the fact that the basic law in most countries
decrees that everyone has the right of inviolability of his body, subject to restrictions
under the law, which basic right takes care primarily of the protection of the living
functioning human body, but concerns also the control over parts or substances separated
from the body.
Usually the mother does not know what happens to the afterbirth.
Also, in the case of the placenta a general respect prevails concerning the pregnancy and
birth, that is fitting for the feelings of the mother.
Accordingly, the invention contains a preparation for medical and/or cosmetic application
to the woman and/or the child of that woman, with the active component being placenta
complex, characterized in that the placenta complex is a natural autologeous human
placenta complex, which is present in the preparation in effective quantities next to the
usual additives.
Surprisingly, it appeared that when treating a woman and/or a child of that woman with a
preparation containing a natural autologeous human placenta complex, the disadvantages
indicated above did practically not occur.
It is observed that in the case that a child of that woman is treated, only the placenta
belonging specifically to that child can be considered for use, in other words, in the case
of a second child of that woman, another placenta must be used, namely the one
belonging to the second child, and so on.
In other words, the placenta is polyspecific for the woman concerned and monospecific
for the child born of the woman.

The preparations according to the invention contain the homologous, human placenta
complex in a quantity of 0.1%/oo to 5%/oo weight per volume and preferably in a quantity
of 1%/oo to 3%/oo.
The preparations according to the invention may be administered to women and children
of these women during a longer period of time than was the case with the traditional
preparations, without side effects worth mentioning.
It also appeared that when administering a small but effective amount of these specific
"body-own" placenta complexes in the amounts indicated above, a multiple dosage, i.e.
5%/oo of placenta complex gave excellent results, being completely resorbed and
tolerated without problems.
By using a simplified extraction method for the "body-own" material, the entire placenta,
as mentioned in the examples, all high grade low molecular compositions remain intact
for autotherapy, which is not the case with the extraction and fractionation technique
according to Cohn.
The autologous human placenta complexes which can be used in the practical application of this invention, may be administered to the donor or her child topically, in the form of a cream.

Systematic administration of the preparation according to the invention may be carried out in parenteral or oral, sublingual and rectal form.

When administering parenterally, the autologous human placenta complex may be administered satisfactorily in an aqueous solution by intramuscular or intravenous injection.

However, the best results are achieved with topical administration in any form or carrier, such as creams, liniments, emulsions, lotions, hair lotion, plasters, etc.

It appears further that satisfactory results are obtained with the administration of these preparations according to the invention, when a concentration of the autologous human placenta complex is used of 0.1% to about 5% w/v.

In general excellent results are obtained when a concentration of 0.5% to 2.5% w/v of the autologous human placenta complex is used, however, other concentrations also give satisfactory results.

The application of the preparation was found to be successful when the preparation was administered to the donor or child to be treated, according to a dosage schedule, in the form of topical application to the skin, with or without occlusion, each evening during at least 6 to 12 weeks and subsequently 3 times a week until the desired result is obtained.

It will be clear that for topical application of the autologous human placenta complex the dosage amount as well as the dosage schedule may vary depending on the condition of health, absorption capacity of the skin and the results obtained.

If with systematic administration of the autologous human placenta complex injections are given into the blood stream, one administers the preparation in the beginning at body temperature and slowly by intravenous drip.

In general immunocomplexes, as the present placenta complex of autologous origin, are administered every 2 or 3 weeks, the number and concentration depending on the data from the laboratory.

With the systematic administration a buffered physiological salt solution may be used.

A buffered aqueous salt solution may for instance be made with the aid of salts such as NaCl or KCl, but also with buffering substances such as Na2HPO4 or KH2PO4, in order to obtain a pH-range from between 5 and 9 according to the art.

The present invention is further elucidated by the following examples. It should be noted that the invention is in no way limited to the examples below.

EXAMPLE 1

Extraction of autologous human placenta complex for systematic application.

Homogenization of the tissue, for instance by cutting and milling in a blender for about 2 min., followed by grinding finely in a mortar with sharp sand or carborundum.

Subsequent extraction of the pulp with a neutral 0.1 M phosphate or borate-buffer at 4°C, filtration through cheesecloth or filterpaper, followed by cold centrifugation at 6,000 -
20,000 rpm. Saturation of the above liquid to 50% ammonium sulphate, after cooling for 1 day centrifugation of the precipitate, dissolving in a small amount of phosphate buffer, and dialyzing for 48 hours each time using fresh physiological salt as outer liquid (nominal cut-off dialysis-membrane: 10,000 Daltons). Finally, freeze-drying of the dialyzed inner liquid. The yield is about 100 mg per 100 g wet tissue. The WHO-standard may easily be adjusted by weighing the lyophilisate. The lyophilisate can be dissolved in the phosphate buffer salt solution of Example III. All final solutions are sterilized by sterile filtration over a Millipore 0.2 µ membrane filter.

EXAMPLE II

Extraction of autologous human placenta complex for topical application. Homogenization of the tissue, for instance by cutting and milling in a blender for about 2 min., followed by grinding finely in a mortar with sharp sand or carborundum. Subsequent extraction of the pulp with a neutral 0.1 M phosphate or borate-buffer at 4°C, filtration through cheesecloth or filterpaper, followed by cold centrifugation at 6,000 - 20,000 rpm. To this extract alcohol is added (not necessarily cooled) up-to 25 vol %. After 1 day filtration and centrifugation is carried out. The precipitate is discarded, the supernatant is evaporated to a small volume and immediately freeze-dried. The solution to be freeze-dried must be clear, possible precipitatizates appearing during evaporation are filtered or centrifuged and removed. The freeze-dried preparation can be weighed and contains a raw and non-fractionated extract of all low molecular compounds. The yield depends on the weight and blood content of the particular placenta and comes to about 10% lyophilisate. This may be dissolved in demineralized water for the processing in Example IV and sterilized by sterile filtration over a Millipore 0.2 µ membrane filter.

EXAMPLE III

An 1‰ solution was prepared from autologeous human placenta complex in phosphate buffer salt solution containing 1‰ sodium alginate, in the manner described below. The following salts were dissolved in the amounts stated in 125 ml distilled water.

<table>
<thead>
<tr>
<th>SALT</th>
<th>AMOUNT IN MG</th>
</tr>
</thead>
<tbody>
<tr>
<td>NaCl</td>
<td>1.0</td>
</tr>
<tr>
<td>KCl</td>
<td>0.025</td>
</tr>
<tr>
<td>Na₂HPO₄</td>
<td>0.176</td>
</tr>
<tr>
<td>KH₂PO₄</td>
<td>0.02</td>
</tr>
</tbody>
</table>

To this solution 1.25 mg sodium alginate was added under stirring until it was completely dissolved.
To the thus obtained solution 1.25 mg autologeous human placenta complex was added and stirred until this was completely dissolved. The thus obtained solution was filtered, sterilized by sterile filtration as described earlier, filled into a hypodermic phial and stored in a cool place until use.

**EXAMPLE IV**

A glossy ivory nutrient cream was prepared in the manner described below, containing 2.5‰ autologeous human placenta complex.

<table>
<thead>
<tr>
<th>NAME</th>
<th>AMOUNT (%)</th>
<th>SUPPLIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEFOSE 1500</td>
<td>8,00</td>
<td>Gattefossé</td>
</tr>
<tr>
<td>STEARIN ACID</td>
<td>2,00</td>
<td></td>
</tr>
<tr>
<td>ISOSTEARYL ISOSTEARATE</td>
<td>6,00</td>
<td>Gattefossé</td>
</tr>
<tr>
<td>PLANT OILS, MARIGOLD WL 1072</td>
<td>4,00</td>
<td>Gattefossé</td>
</tr>
<tr>
<td>DEMINERALIZED WATER</td>
<td>77,6</td>
<td></td>
</tr>
<tr>
<td>CARBOPOL 934</td>
<td>0,30</td>
<td>Goodrich</td>
</tr>
<tr>
<td>FURTHER:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRIETHANOLAMINE, 99% (50% sol.)</td>
<td>0,60</td>
<td></td>
</tr>
<tr>
<td>PRESERVATIVES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GD700</td>
<td>0,30</td>
<td>Phytocos</td>
</tr>
<tr>
<td>PARFUME REF. 4968</td>
<td>0,20</td>
<td>Gattefossé</td>
</tr>
<tr>
<td>AUTOLOGOUS HUMAN PLACENTA COMPLEX 2,5mg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISSOLVED IN DEMINERALIZED WATER</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

**EMULSIFICATION**

First the Carbopol was dissolved in the demineralized water which was heated to 75° C. The aqueous phase was added to the fatty phase which was in the meantime heated to 75° C. Subsequently the T.E.A. solution was added after which it was cooled in its entirety under constant stirring. Then, at a temperature between 30 and 35° C the preservative and the perfume were
added as well as 2.5 mg autologous human placenta complex, dissolved, under cooling, in 10% (of the total amount in this example) of demineralized water. The control is a pH of about 6.9.
CLAIMS

1. A preparation for the medical and/or cosmetic application to a woman or the child of that woman, with as active component placenta complex, characterized in that the placenta complex is a natural autologeous human placenta complex, which is present in the preparation in effective quantities next to the usual additives.

2. A preparation according to claim 1, characterized in that the preparation contains the autologeous human placenta complex in an amount of 0.1 to 5 %/oo w/v.

3. A preparation according to claim 2, characterized in that the preparation contains 1 to 3 %/oo of the autologeous human placenta complex.

4. A preparation according to claim 1-3, characterized in that the preparation is an injection fluid containing about 1.0 %/oo of autologeous human placenta complex.

5. A preparation according to claims 1-3, characterized in that the preparation is a cream containing about 2.5 %/oo autologeous human placenta complex.

6. A method for the manufacture of a preparation according to claims 1-5, characterized in that an effective amount of a natural autologeous placenta complex, together with the usual additives, is brought into a form suitable for medical and/or cosmetic purposes.

7. A method for the treatment of a woman and/or a child of that woman, for cell degeneration or other deviations, characterized in that a preparation is administered in an effective dosage, according to claims 1-5.
ABSTRACT

The invention relates to a preparation for the medical and/or cosmetic application to a woman or the child of that woman, with as active component placenta complex. In this preparation according to the invention the placenta complex is a natural autologous human placenta complex, which is present in the preparation in an effective quantity next to the usual additives. This quantity usually amounts to 0.1 to 5 °/oo w/v. Usually the preparation is used as an injection fluid and as cream. The invention contains also a method for the manufacture of such a preparation as well as a method for the treatment of a woman and/or a child of that woman, for cell degeneration or other deviations, with such a preparation.
CHAPTER 18

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