HAIR REGENERATION PROGRAM

NATURAL HAIR REGROWTH
Regenerative medicine offers new chance for those who suffer from hair loss. The use of stem cells and platelet gel represent the most innovative solution to many unsolved cases.

ADIPOSE DERIVED STEM CELLS
Adipose Derived Stem Cells (ADSC) are mesenchymal stem cells found in the fat tissue; they constitute a multipotent cellular population which can differentiate into cells of various tissues.

LIPOSKILL
LIPOSKILL is obtained from about 10 ml of fat harvested with surgical liposuction in one outpatient session. Exclusive processes applied by Bioscience Institute’s biologists, guarantee the isolation and expansion of a homogeneous population of mesenchymal stem cells. Cryopreservation allows to use the cells repeatedly in required. Under standard conditions it is possible to obtain about 10 Liposkill grafts with just one sample of fat. The amount of cells contained in each graft is about 10-30 million.

PROTOCOL

<table>
<thead>
<tr>
<th>Tissue collection</th>
<th>Cell isolation and expansion</th>
<th>Cryopreservation</th>
<th>Cell Therapy</th>
</tr>
</thead>
</table>

PROCEDURE

<table>
<thead>
<tr>
<th>Duration of tissue collection</th>
<th>60 min</th>
<th>30 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of cell therapy</td>
<td>topical</td>
<td>no</td>
</tr>
<tr>
<td>Anesthesia for biopsy</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Anesthesia for graft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In / Out Patient clinic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side Effects</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Risk of contagion</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Allergy</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Recovery</td>
<td>immediate</td>
<td></td>
</tr>
<tr>
<td>Results lasts</td>
<td>long lasting</td>
<td></td>
</tr>
</tbody>
</table>

ADVANTAGES

- Extraction of 10 ml of adipose tissue is sufficient for about ten cell treatments over the years
- The sample can be taken using a simple micro-liposuction procedure
- The treatment is painless and doesn't leave scars
- Thanks to the LIPOSKILL protocols, cryopreserved cells can be used even after many years
HAIR REGENERATION

The cost of the program includes tissue collection, cell isolation and expansion, cryopreservation, cell therapy and accommodation (3 days + 3 days) in Grand Hotel Rimini *****

THE PROGRAM CONSISTS IN:

Step 1  Tissue collection - (3 days)
- Arrival to Rimini, Italy
- Collection of the fat sample 10ml at Bioscience Institute, San Marino
- Sightseeing, Shopping and Spa (the possibility to enrich your stay in Italy according to your requests*)
- Coming back home

Step 2  Cell isolation and expansion - (3-4 weeks)
- Extraction of Adipose Derived Stem Cells (in the laboratories of Bioscience Institute) – 1 week
- Expansion of cells – 2-3 weeks

Step 3  Cryopreservation of cells for future treatments (at Bioscience Institute)

Step 4  Cell therapy - (3 days)
- Arrival to Rimini, Italy
- First treatment with Adipose Derived Stem Cells
- Sightseeing, Shopping and Spa (the possibility to enrich your stay in Italy according to your requests*)
- Coming back home

ADDITIONAL SERVICES
Airport transfer
Shopping in Rimini / San Marino
Luxury car rent
Helicopter transfer
Cooking lessons
Interpreting services
Individual and Group Excursions to San Marino / Rimini
Individual and Group Excursions in Italy: (Bologna, Florence, Milan, Rome, Venice, Verona, Surroundings of Rimini (San Leo, Montebello, Mondaino, Montecolombo, Gradara, etc.)
Sun beds on the beach
Basket of fresh fruit, a bottle of red wine in the room
Bicycle rental

SPA & SALON
- Massage (Sport & Relax, Drainage, Ayurveda, Hot Stones, Anti-Stress, Ritual Dream, Ritual Pinda, Oriental / Occidental, Anti cellulite)
- Special offers for Him / Her
- Personalized body / face treatment
- Anti – aging facial treatments
- Facial clearing / regeneration
- Jacuzi relax and soft drinks
- Thermal pool
- Hammam, Bio-sauna & Turkish bath
- Motional shower
- Manicure & Pedicure
- Natural body peeling
- Depilation

GOLD CLUB
- Villa Verucchio
- San Giovanni in Marignano
- Cervia

LEGEND

BIOPSY: the sample of skin, taken from the back of the patient. No need for surgery or special equipment.

EXTRACTION: consists in the isolation of the cells (fibroblasts or ADSC) from the biopsy. It is essential for making an expansion, freezing and cryopreservation.

EXPANSION: consists in the multiplication of the cells extracted from the biopsy. It is essential for the obtaining of sufficient quantity of cells to make an effective treatment.

CRYOPRESERVATION: consists in the preservation of the frozen in advance cells in the dedicated containers at the temperature about -198° (in nitrogen vapor).

TREATMENT: is made through the GRAFT of expanded cells. TREATMENTS can be repeated more times in operation with the quantity of cells obtained from extraction and cryopreservation.