

PATIENT CASE STUDY # 092

MULTIPLE SCLEROSIS

NAME: [REDACTED] AGE: 39 SEX: Female NATIONALITY: Italian

TREATMENT CENTER: Belgrade DATE: 10.-21. October 2013

DIAGNOSIS: Progressive Relapsing Multiple Sclerosis

PRE-TREATMENT CONDITION: Physical examination shows stable vital signs. The patient is diagnosed with Progressive relapsing type. Relapses happen quite often (no detailed timeline) and usually last anywhere from few days up to a week. Symptoms get worse as the time passes. Patient has no remission periods. She complains mostly about vision problems ("blurry"), "back" pain, bowel and urinary problems. Movement coordination is getting worse, as well as "whole body" weakness and vertigo described as "constant dizziness". The rest of notable symptoms are as follows by severity: Stiffness in legs (mostly right), Sexual dysfunction, fatigue ("constant tiredness") and depression.

TREATMENT DATA

STEM CELL TREATMENT					
STEM CELL TYPE	EXTRACTION DATE	EXTRACTION TYPE	DELIVERY DATE	DELIVERY TYPE	SIDE EFFECTS
Adipose	11. Oct.	Liposuction	11. Oct.	IV	none
Bone marrow	12. Oct.	Aspiration	12. Oct.	IV	none

ENHANCEMENT PROCEDURES			
PROCEDURE	DATES	NO. OF TREATMENTS	SIDE EFFECTS
Oxyven therapy	13.-18. Oct.	6	none
Xenon gas inhalation	14.-19. Oct.	6	none
Plasmapheresis	20. Oct.	1	none
Blood irradiation	14.-18. Oct.	5	none

PHYSIOTHERAPY			
PROCEDURE	DATES	NO. OF TREATMENTS	SIDE EFFECTS
Lymphatic drainage	14.-19. Oct.	6	none
Magnetic field therapy	13-19. Oct.	7	none
Massage	14 - 20. oct.	7	none

PATIENT CONDITION: After stem cell treatment, the patient had no side effects, seems more energized. The patient is very satisfied with elimination ("almost all") of back pain. She feels much stronger than before. All symptoms improved to a certain level. Blurry vision, fatigue and dizziness somewhat improved but less than other symptoms. She had no relapses while at the clinic.

SWISS MEDICA SUPPLEMENTS & MEDICATION			
SUPPLEMENT	DOSE	ADMINISTRATION	SIDE EFFECTS
Swiss Medica Neurometabolic protocol ®	3 x 100 ml	IV	none
Swiss Medica Regenerative protocol ®	6 x 10 ml	IM injection	none

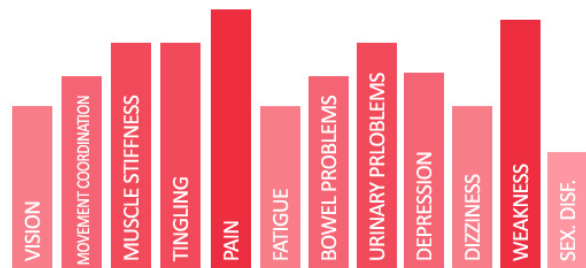
FOLLOW - UP # 1

TREATMENT CENTER: Belgrade DATE: 22. January 2013



LEVELS OF IMPROVEMENT
3 MONTHS AFTER THE TREATMENT

Grade improvements in your condition (1-10)	
Vision	5
Muscle stiffness	7
Tingling	7
Bowel problems	6
Depression	6
Weakness	8
Movement coordination	5
Fatigue	8
Pain	8
Urinary problems	7
Dizziness	5
Sexual dysfunction	4



PATIENT CONDITION: 3 months after Stem cell treatment, the patient is mostly satisfied with the results of the treatment, especially with elimination of intense back pain and weakness. Urinary problems are less frequent, muscle stiffness and tingling are rare. Movement coordination and depression are less pronounced but still a problem. The patient is mostly dissatisfied with improvements in vision, fatigue, dizziness and sexual dysfunction. Vision is much better but still "kind of blurry". Fatigue is not constant but occurs quickly after any kind of activity. Dizziness has similar affect. Sexual dysfunction improved the least. Patient had no relapses during these three months.

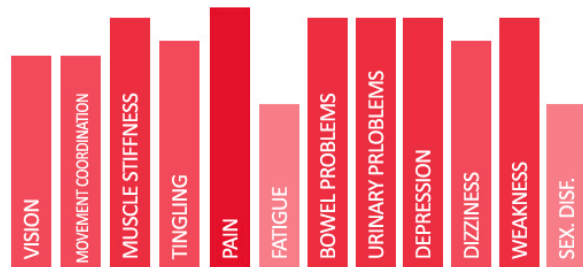
FOLLOW - UP #2

TREATMENT CENTER: Belgrade DATE: 16. April 2013



LEVELS OF IMPROVEMENT
6 MONTHS AFTER THE TREATMENT

Grade improvements in your condition (1-10) in following weeks	
Vision	7
Muscle stiffness	8
Tingling	7
Bowel problems	8
Depression	8
Weakness	8
Movement coordination	7
Fatigue	5
Pain	9
Urinary problems	8
Dizziness	7
Sexual dysfunction	5



PATIENT CONDITION: Patient had no relapses during these six months. Symptoms improvement grades show stagnation of improvement in fatigue, tingling and weakness, but she is only dissatisfied with amount of fatigue. Some symptoms improved greatly: Vision ("just a little blurry now"), Dizziness (only when standing up), Bowel problems (rare), and Depression - the patient seems quite cheerful. Sexual dysfunction "seems to be improving". Back pain is almost completely gone. The patient is generally satisfied with the results of the treatment.

FINAL ASSESSMENT



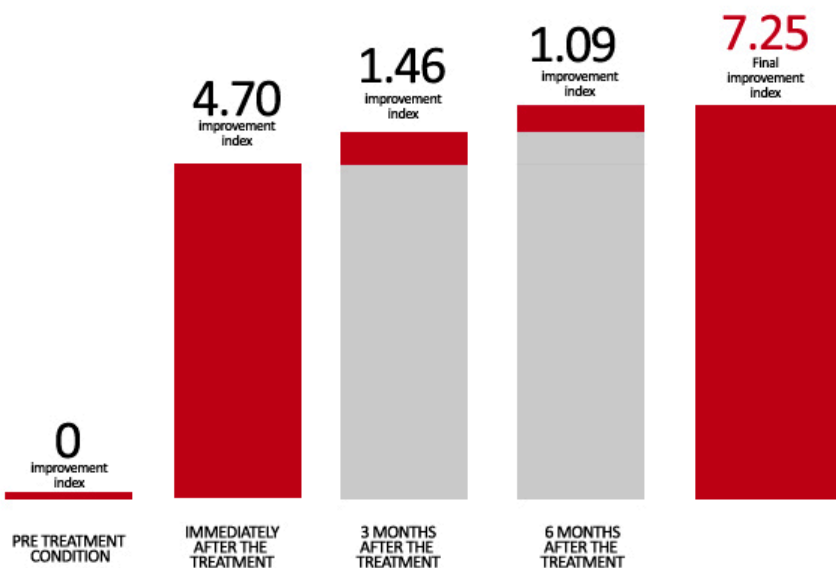
POST TREATMENT IMPROVEMENTS ASSESSMENT
PATIENT CASE STUDY # 092
Progressive Relapsing Multiple Sclerosis



65% IMPROVEMENT IMMEDIATELY AFTER THE TREATMENT

20% IMPROVEMENT 3 MONTHS AFTER THE TREATMENT

15% IMPROVEMENT 6 MONTHS AFTER THE TREATMENT



Based on the patient's evaluation on the levels of improvement of her condition (improvements of the symptoms are graded 1-10) we can conclude that her overall condition significantly improved (average rating of 4.70) immediately after stem cell administration. First follow-up evaluation showed additional improvements in most of her symptoms (average rating of 6.16). Second follow-up evaluation showed some stagnation but significant improvement in some of the symptoms. Final improvement rating is 7.25 - patient's symptoms improved 72,5 % by her own assessment.