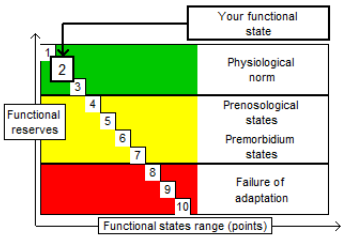
Sportman

***Hrabalová Jana*** # 172

Date and Time: 01.03.2012 15:43
Age: 27.0 Sex: female
Address:

**Functional state estimation**

Normal level

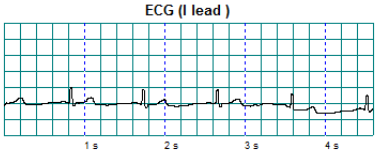



Ladder diagram of states - estimation of regulatory systems functional states in points

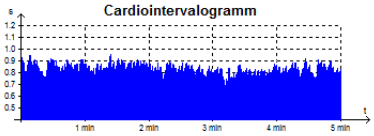
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Normal heart rhythm stability | 0 |
| Vegetative homeostasis | |
| Normal vegetative balance | 0 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Moderate decrease activity of central regulation levels | -1 |

**ECG (I lead )**




**Cardiointervalogramm**



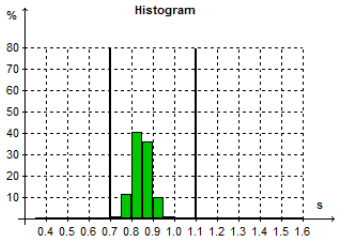

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 71 | 60 - 75 |
| Standard deviation (SDNN), ms | 43.1 | 30 - 69 |
| Coefficient of variation (CV), % | 5.1 | 3 - 12 |
| Stress index (SI), comp.un. | 90 | 70 - 150 |
| Index of centralization (IC), comp.un. | 2.1* | 0.9 - 2.0 |
| IARS, comp.un. (1, -1) | 2 | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 32.1 | 20 - 39 |
| Performance LF, % | 53.9* | 15 - 39 |
| Performance VLF, % | 14.0* | 15 - 39 |
| TP, ms² | 1488 | 1000 - 2000 |

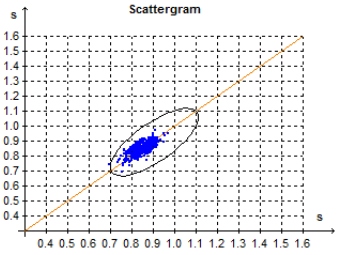
**Conclusion**

You have a good functional status. Regulation systems are operating normally. The organism is the best way out of stressful situations. You are encouraged to maintain this normal regulation by meeting the right balance between workload and rest, a balanced diet, regular exercise of physical education and sport, the regulation of sleep. Conduct monitoring of yourf unctional state as possible once a year.

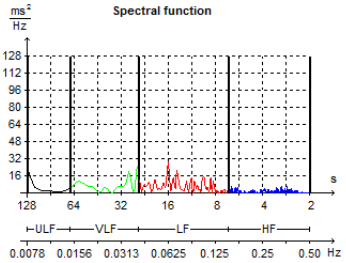
**Histogram**




**Scattergram**




**Spectral function**



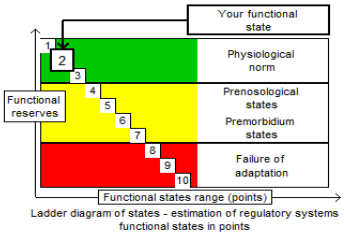

Inflammation ( s

***Doležal Kamil*** # 64

Date and Time: 21.05.2010 14:23
Age: 34.0 Sex: male
Address:

**Functional state estimation**

Normal level

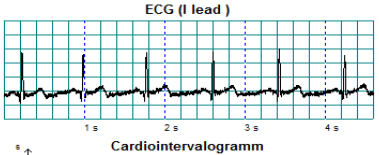



Ladder diagram of states - estimation of regulatory systems functional states in points

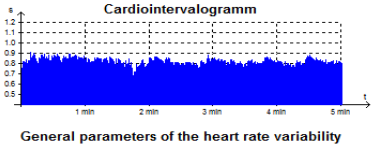
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Normal heart rhythm stability | 0 |
| Vegetative homeostasis | |
| Moderate predominance of sympathetic system | 1 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| High activity of central regulation levels | 1 |

**ECG (I lead )**




**Cardiointervalogramm**



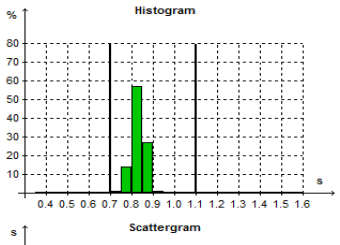

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 72 | 60 - 75 |
| Standard deviation (SDNN), ms | 32.1 | 30 - 69 |
| Coefficient of variation (CV), % | 3.9 | 3 - 12 |
| Stress index (SI), comp.un. | 156* | 70 - 150 |
| Index of centralization (IC), comp.un. | 2.5* | 0.9 - 2.0 |
| IARS, comp.un. (2, 0) | 2 | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 28.5 | 20 - 39 |
| Performance LF, % | 29.2 | 15 - 39 |
| Performance VLF, % | 42.3* | 15 - 39 |
| TP, ms² | 773* | 1000 - 2000 |

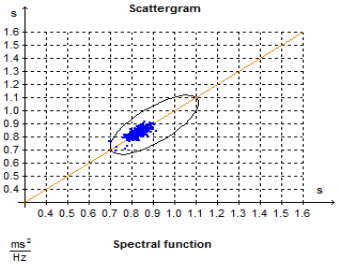
**Conclusion**

You have a good functional status. Regulation systems are operating normally. The organism is the best way out of stressful situations. You are encouraged to maintain this normal regulation by meeting the right balance between workload and rest, a balanced diet, regular exercise of physical education and sport, the regulation of sleep. Conduct monitoring of yourf unctional state as possible once a year.

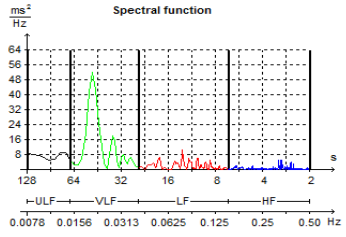
**Histogram**




**Scattergram**

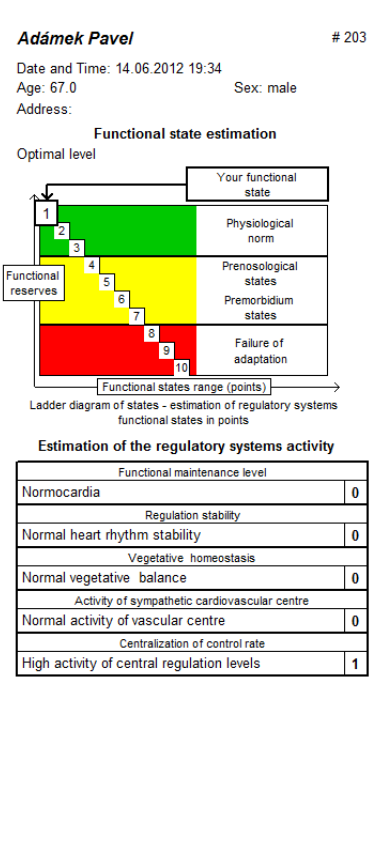



**Spectral function**




VLF specific shape of Green spectrum

Good results



***Adámek Pavel*** # 203

Date and Time: 14.06.2012 19:34
Age: 67.0 Sex: male
Address:

**Functional state estimation**

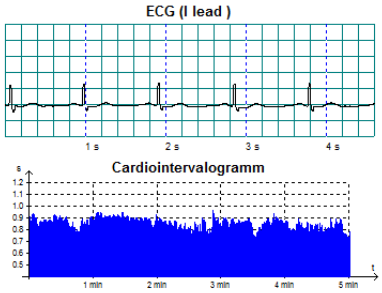
Optimal level



Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Normal heart rhythm stability | 0 |
| Vegetative homeostasis | |
| Normal vegetative balance | 0 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| High activity of central regulation levels | 1 |



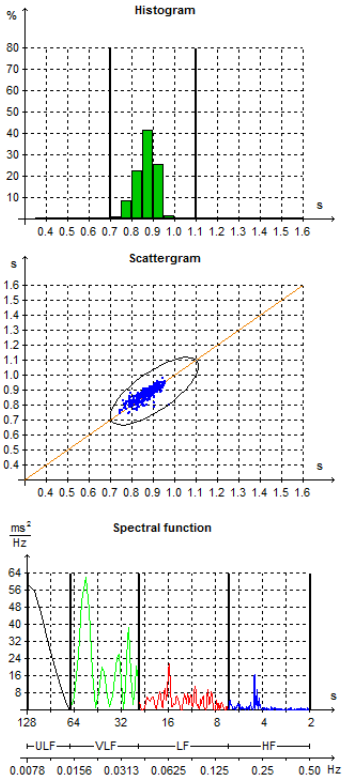


**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 69 | 60 - 75 |
| Standard deviation (SDNN), ms | 45.1 | 30 - 69 |
| Coefficient of variation (CV), % | 5.2 | 3 - 12 |
| Stress index (SI), comp.un. | 103 | 70 - 150 |
| Index of centralization (IC), comp.un. | 3.3* | 0.9 - 2.0 |
| IARS, comp.un. (1, 0) | 1 | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 23.3 | 20 - 39 |
| Performance LF, % | 36.4 | 15 - 39 |
| Performance VLF, % | 40.2* | 15 - 39 |
| TP, $ms^2$ | 1486 | 1000 - 2000 |

**Conclusion**

Your functional state characterized by an optimal level of regulation of physiological functions. The body copes with stress. You are encouraged to maintain this optimal level of compliance with work and rest, a balanced diet, regular exercise of physical education and sport, regulation of labor stress. Conduct monitoring of your functional state as possible once a year.





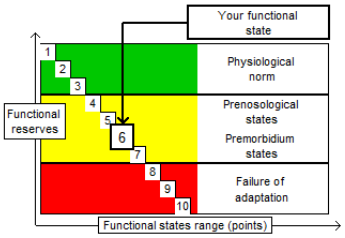
overwork, stress, untreated

**Mynaøík Jindøich** # 6

Date and Time: 26.11.2009 14:00
Age: 43.0 Sex: male
Address:

**Functional state estimation**

Functional overload

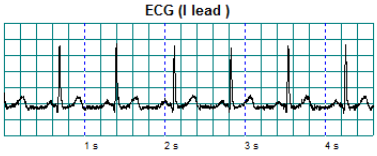



Ladder diagram of states - estimation of regulatory systems functional states in points

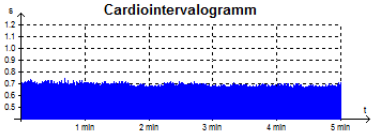
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Normal activity of central regulation levels | 0 |

ECG (I lead )




Cardiointervalogramm



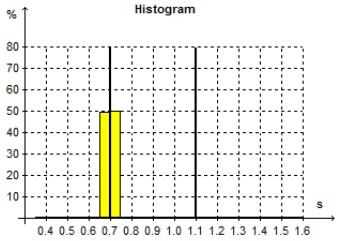

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 86** | 60 - 75 |
| Standard deviation (SDNN), ms | 14.5** | 30 - 69 |
| Coefficient of variation (CV), % | 2.1* | 3 - 12 |
| Stress index (SI), comp.un. | 422** | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.4 | 0.9 - 2.0 |
| IARS, comp.un. (6, 0) | 6* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 42.3* | 20 - 39 |
| Performance LF, % | 34.6 | 15 - 39 |
| Performance VLF, % | 23.1 | 15 - 39 |
| TP, ms² | 109** | 1000 - 2000 |

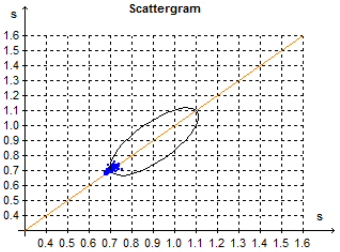
**Conclusion**

Your condition is characterized by overexertion regulatory mechanisms. This means that you need to pay serious attention to the state of his health, as long overvoltage regulatory systems as a result of stress leads to disease. You are advised to repeat the survey in a few weeks after the implementation of measures to normalize the state. Requires mental unloading, labor constraints loads the correct organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell, seek medical advice.

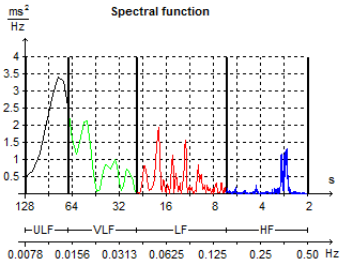
Histogram




Scattergram




Spectral function



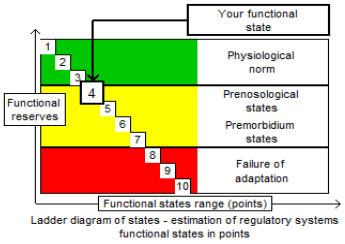

13 years old boy, migraine headache, restlessness

**Plzák Daniel** # 139

Date and Time: 28.09.2011 18:10
Age: 13.0 Sex: male
Address:

**Functional state estimation**

Marked functional load

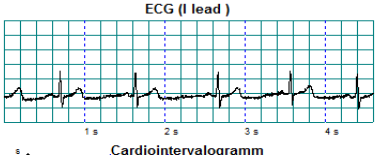



Ladder diagram of states - estimation of regulatory systems functional states in points

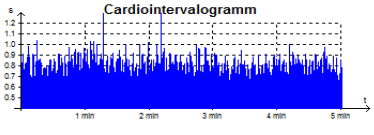
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Marked predominance of parasympathetic system | -2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Moderate decrease activity of central regulation levels | -1 |

ECG (I lead )




Cardiointervalogramm



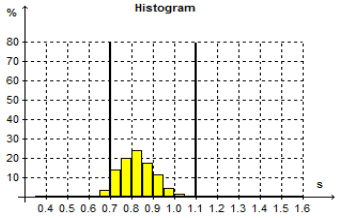

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 73 | 60 - 75 |
| Standard deviation (SDNN), ms | 75.9* | 30 - 69 |
| Coefficient of variation (CV), % | 9.2 | 3 - 12 |
| Stress index (SI), comp.un. | 40** | 70 - 150 |
| Index of centralization (IC), comp.un. | 0.5* | 0.9 - 2.0 |
| IARS, comp.un. (0, -4) | 4* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.3 | 0 - 0.5 |
| Performance HF, % | 66.1** | 20 - 39 |
| Performance LF, % | 25.8 | 15 - 39 |
| Performance VLF, % | 8.1* | 15 - 39 |
| TP, ms² | 5303** | 1000 - 2000 |

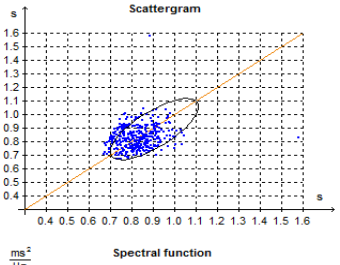
**Conclusion**

Your condition is characterized by increased activity of regulatory systems. This indicates a decrease in functional reserves. The body reacts to all stressors. You are encouraged to pay serious attention to their health. Eliminate risk factors such as elevated psycho-emotional stress, sleep disorders, eating disorders and other required load regulation of labor, systematic physical exercise, try to spend more time in the air. Look for yourself and arrange for fun. You need a good rest. Thereafter, repeat the examination.

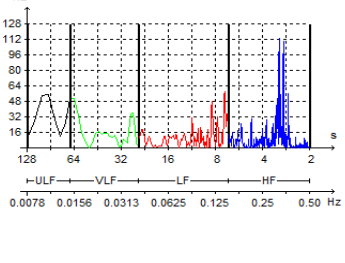
Histogram




Scattergram




Spectral function



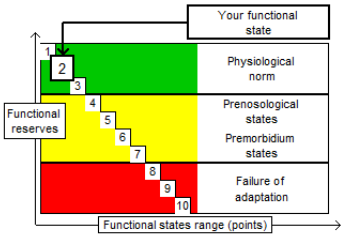
## Very old woman - varicose veins, gout, low blood cell counts, widening of blood vessels in the heart

***Hošková erika*** # 182

Date and Time: 19.04.2012 12:02
Age: 89.0 Sex: female
Address:

**Functional state estimation**

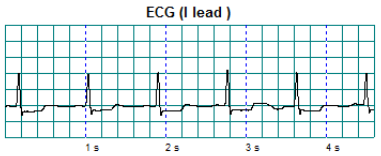
Normal level

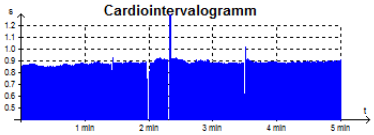



Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Moderate predominance of parasympathetic system | -1 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Normal activity of central regulation levels | 0 |



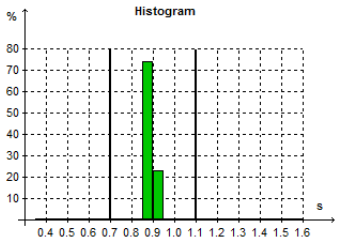



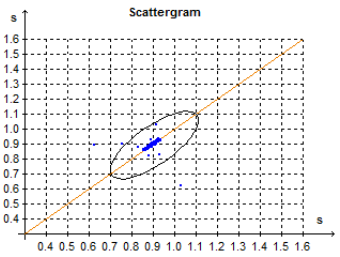

**General parameters of the heart rate variability**

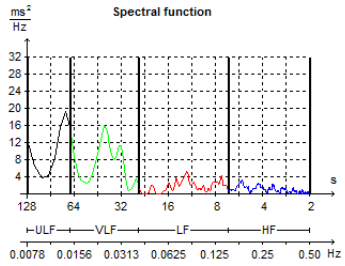
| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 67 | 60 - 75 |
| Standard deviation (SDNN), ms | 32.1 | 30 - 69 |
| Coefficient of variation (CV), % | 3.6 | 3 - 12 |
| Stress index (SI), comp.un. | 68* | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.2 | 0.9 - 2.0 |
| IARS, comp.un. (0, -2) | 2 | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.6* | 0 - 0.5 |
| Performance HF, % | 45.4* | 20 - 39 |
| Performance LF, % | 29.6 | 15 - 39 |
| Performance VLF, % | 25.0 | 15 - 39 |
| TP, ms² | 843* | 1000 - 2000 |

**Conclusion**

You have a good functional status. Regulation systems are operating normally. The organism is the best way out of stressful situations. You are encouraged to maintain this normal regulation by meeting the right balance between workload and rest, a balanced diet, regular exercise of physical education and sport, the regulation of sleep. Conduct monitoring of yourf unctional state as possible once a year.



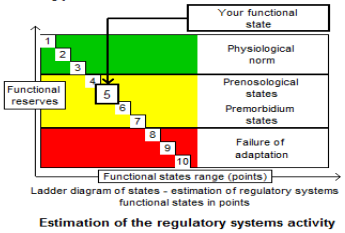

## Very old woman - high blood pressure, heart problems, blood thinners

***Kepková Eva*** # 155

Date and Time: 12.12.2011 15:15
Age: 90.0 Sex: female
Address:

**Functional state estimation**

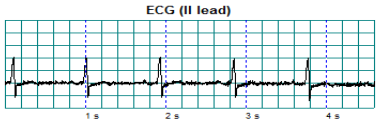
Strongly marked functional load

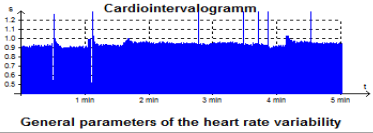



Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Marked predominance of parasympathetic system | -2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Marked decrease of activity of central regulation levels | -2 |



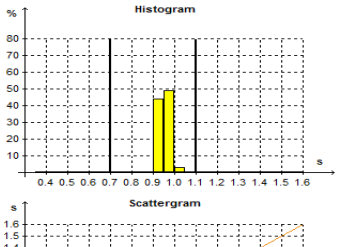



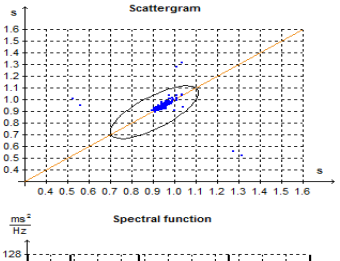

**General parameters of the heart rate variability**

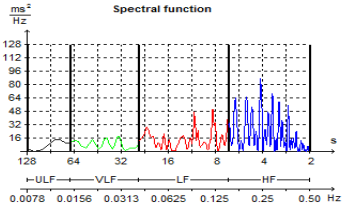
| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 63 | 60 - 75 |
| Standard deviation (SDNN), ms | 96.8* | 30 - 69 |
| Coefficient of variation (CV), % | 10.1 | 3 - 12 |
| Stress index (SI), comp.un. | 25** | 70 - 150 |
| Index of centralization (IC), comp.un. | 0.3** | 0.9 - 2.0 |
| IARS, comp.un. (0, -5) | 5* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 1.3* | 0 - 0.5 |
| Performance HF, % | 78.7** | 20 - 39 |
| Performance LF, % | 18.8 | 15 - 39 |
| Performance VLF, % | 2.5** | 15 - 39 |
| TP, ms² | 8367** | 1000 - 2000 |

**Conclusion**

Your functional status requires serious attention. It is characterized by very high activity of regulatory systems that appear to be associated with decreased functional reserves, frequent and prolonged stress and stress. You are encouraged to pay serious attention to their health. Requires mental unloading, labor constraints and loads of physical exertion proper organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell seek medical attention. It is advisable to repeat the survey after the health and preventive measures.



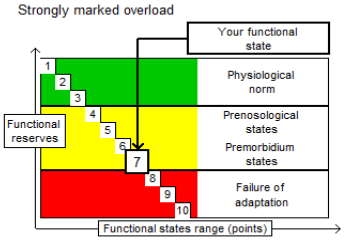
## Reduced immunity from childhood, one-year-old child at home, gold streptococcus, persistent fatigue

***Hájná Èapková Pavla*** # 35

Date and Time: 24.02.2010 13:52
Age: 31.0 Sex: female
Address:

**Functional state estimation**

Strongly marked overload

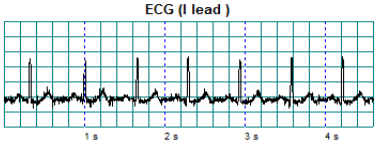



Ladder diagram of states - estimation of regulatory systems functional states in points

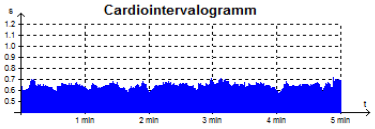
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Heart rhythm stability increase | 1 |
| Vegetative homeostasis | |
| Moderate predominance of sympathetic system | 1 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

ECG (I lead )




Cardiointervalogramm



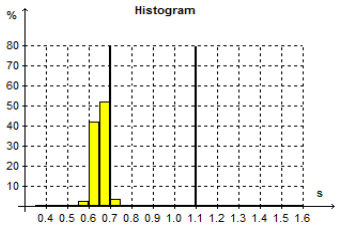

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 92** | 60 - 75 |
| Standard deviation (SDNN), ms | 24.7* | 30 - 69 |
| Coefficient of variation (CV), % | 3.8 | 3 - 12 |
| Stress index (SI), comp.un. | 277* | 70 - 150 |
| Index of centralization (IC), comp.un. | 7.8** | 0.9 - 2.0 |
| IARS, comp.un. (7, 0) | 7* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 11.4* | 20 - 39 |
| Performance LF, % | 53.6* | 15 - 39 |
| Performance VLF, % | 35.0 | 15 - 39 |
| TP, ms$^2$ | 559* | 1000 - 2000 |

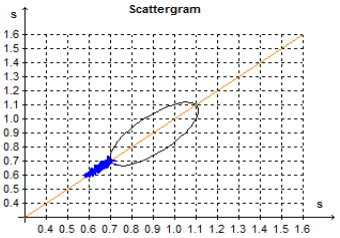
**Conclusion**

Your condition is characterized by a pronounced overstrain regulation systems. This means that you need to pay serious attention to the state of his health, as long overstrain regulatory systems as a result of stress may have triggered the development of latent or early forms of the disease, what you may not know. You are advised to take preventive visit your doctor for recommendations on prevention and treatment. Restriction is required psycho-emotional stress, labor regulation, rest in a sanatorium. It is desirable to re-examination after the course of treatment and prevention.

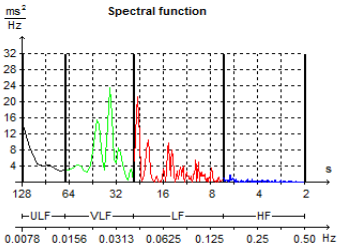
Histogram




Scattergram




Spectral function



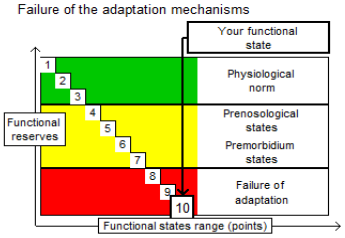

## Abdominal pain - acute inflammation of the ovaries - immediate surgery

***Jarolímková Simona*** # 8

Date and Time: 11.12.2011 22:17
Age: 20.0 Sex: female
Address:

**Functional state estimation**

Failure of the adaptation mechanisms

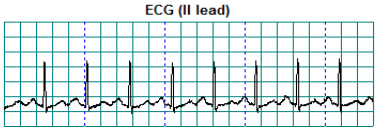



Ladder diagram of states - estimation of regulatory systems functional states in points

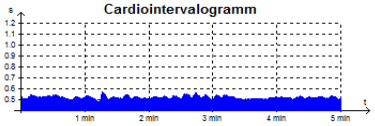
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Marked vascular centre activity increase | 2 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

ECG (II lead)




Cardiointervalogramm



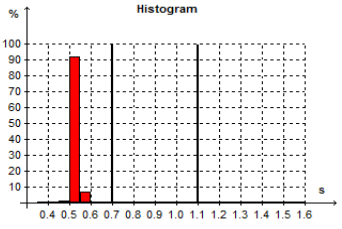

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 113** | 60 - 75 |
| Standard deviation (SDNN), ms | 13.3** | 30 - 69 |
| Coefficient of variation (CV), % | 2.5* | 3 - 12 |
| Stress index (SI), comp.un. | 915** | 70 - 150 |
| Index of centralization (IC), comp.un. | 10.4** | 0.9 - 2.0 |
| IARS, comp.un. (10, 0) | 10** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 8.8** | 20 - 39 |
| Performance LF, % | 74.3** | 15 - 39 |
| Performance VLF, % | 16.9 | 15 - 39 |
| TP, ms$^2$ | 173** | 1000 - 2000 |

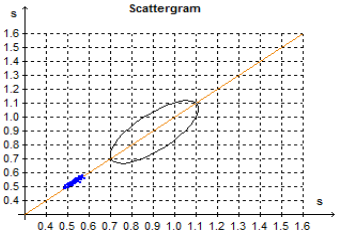
**Conclusion**

Your status indicates failure of regulatory mechanisms. This means that your health is undermined. You need to see a doctor immediately. You are advised to undergo a thorough medical examination and treatment, long well-organized (preferably in a sanatorium) rest, regular monitoring of the health and performance of doctor's appointments.

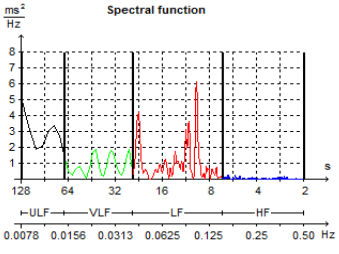
Histogram




Scattergram




Spectral function



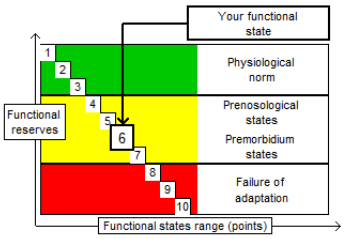
## 18 years - insomnia, nightmares

***Vrbová Charlotte*** # 19

Date and Time: 12.01.2010 09:40
Age: 18.0 Sex: female
Address:

**Functional state estimation**

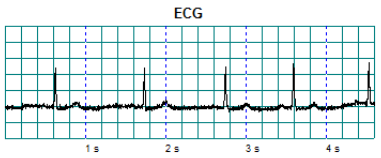
Functional overload

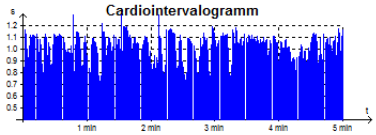



Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate bradycardia | -1 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Marked predominance of parasympathetic system | -2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Moderate decrease activity of central regulation levels | -1 |



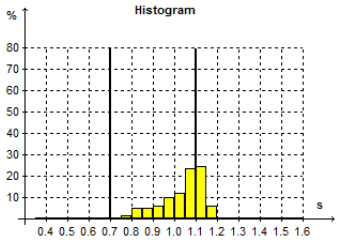



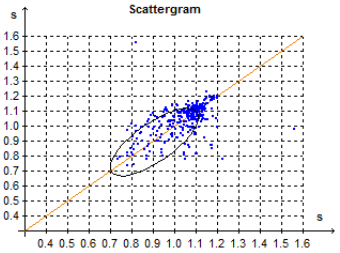

**General parameters of the heart rate variability**

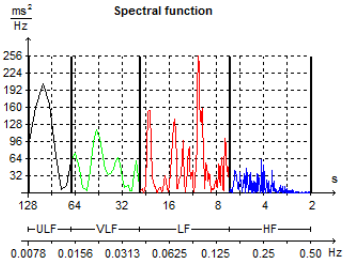
| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 58* | 60 - 75 |
| Standard deviation (SDNN), ms | 103.5* | 30 - 69 |
| Coefficient of variation (CV), % | 10.0 | 3 - 12 |
| Stress index (SI), comp.un. | 25** | 70 - 150 |
| Index of centralization (IC), comp.un. | 2.4* | 0.9 - 2.0 |
| IARS, comp.un. (1, -5) | 6* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 1.0* | 0 - 0.5 |
| Performance HF, % | 29.2 | 20 - 39 |
| Performance LF, % | 58.4* | 15 - 39 |
| Performance VLF, % | 12.4* | 15 - 39 |
| TP, ms² | 9934** | 1000 - 2000 |

**Conclusion**

Your condition is characterized by overexertion regulatory mechanisms. This means that you need to pay serious attention to the state of his health, as long overvoltage regulatory systems as a result of stress leads to disease. You are advised to repeat the survey in a few weeks after the implementation of measures to normalize the state. Requires mental unloading, labor constraints loads the correct organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell, seek medical advice.



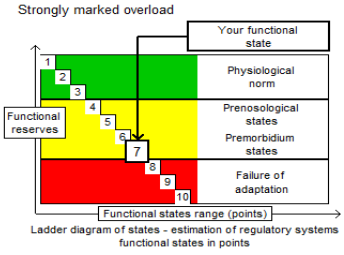

## long-term high blood pressure

***Bretyšová Táòa*** # 65

Date and Time: 09.06.2010 15:50
Age: 54.0 Sex: female
Address:

**Functional state estimation**

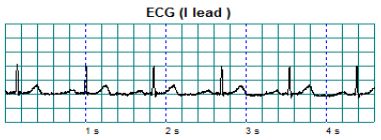
Strongly marked overload

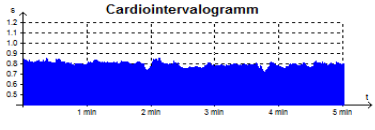



Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Heart rhythm stability increase | 1 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Marked vascular centre activity increase | 2 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |



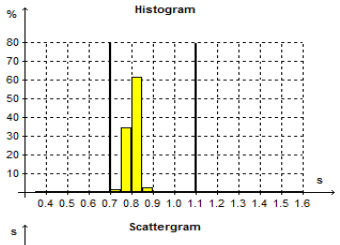



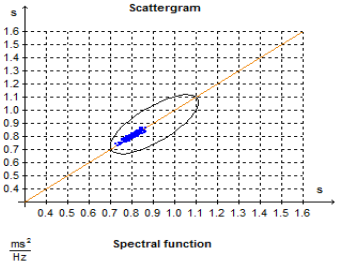

**General parameters of the heart rate variability**

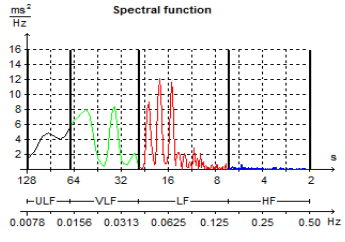
| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 74 | 60 - 75 |
| Standard deviation (SDNN), ms | 23.1* | 30 - 69 |
| Coefficient of variation (CV), % | 2.9* | 3 - 12 |
| Stress index (SI), comp.un. | 269* | 70 - 150 |
| Index of centralization (IC), comp.un. | 10.8** | 0.9 - 2.0 |
| IARS, comp.un. (7, 0) | 7* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 8.5** | 20 - 39 |
| Performance LF, % | 60.1** | 15 - 39 |
| Performance VLF, % | 31.4 | 15 - 39 |
| TP, ms² | 350** | 1000 - 2000 |

**Conclusion**

Your condition is characterized by a pronounced overstrain regulation systems. This means that you need to pay serious attention to the state of his health, as long overstrain regulatory systems as a result of stress may have triggered the development of latent or early forms of the disease, what you may not know. You are advised to take preventive visit your doctor for recommendations on prevention and treatment. Restriction is required psycho-emotional stress, labor regulation, rest in a sanatorium. It is desirable to re-examination after the course of treatment and prevention.



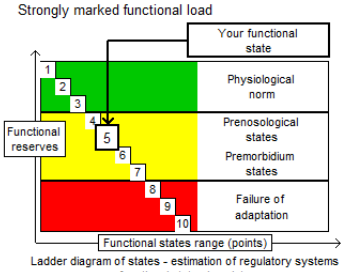
## Treated hypertension

***Jaros Jiøí*** # 140

Date and Time: 12.10.2011 11:36
Age: 47.0 Sex: male
Address:

**Functional state estimation**

Strongly marked functional load

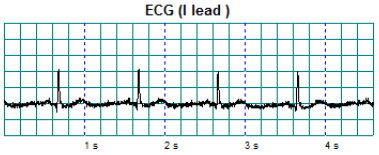



Ladder diagram of states - estimation of regulatory systems functional states in points

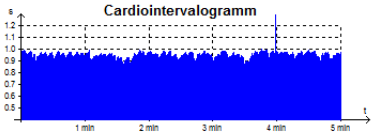
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Heart rhythm stability increase | 1 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| High activity of central regulation levels | 1 |

**ECG (I lead )**




**Cardiointervalogramm**



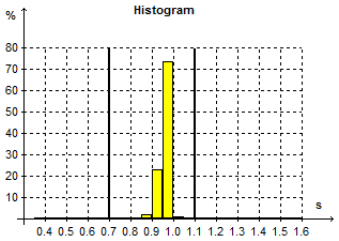

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 62 | 60 - 75 |
| Standard deviation (SDNN), ms | 23.2* | 30 - 69 |
| Coefficient of variation (CV), % | 2.4* | 3 - 12 |
| Stress index (SI), comp.un. | 307** | 70 - 150 |
| Index of centralization (IC), comp.un. | 3.1* | 0.9 - 2.0 |
| IARS, comp.un. (5, 0) | 5* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.3 | 0 - 0.5 |
| Performance HF, % | 24.5 | 20 - 39 |
| Performance LF, % | 40.2* | 15 - 39 |
| Performance VLF, % | 35.2 | 15 - 39 |
| TP, ms$^2$ | 507* | 1000 - 2000 |

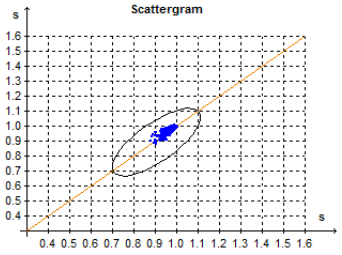
**Conclusion**

Your functional status requires serious attention. It is characterized by very high activity of regulatory systems that appear to be associated with decreased functional reserves, frequent and prolonged stress and stress. You are encouraged to pay serious attention to their health. Requires mental unloading, labor constraints and loads of physical exertion proper organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell seek medical attention. It is advisable to repeat the survey after the health and preventive measures.

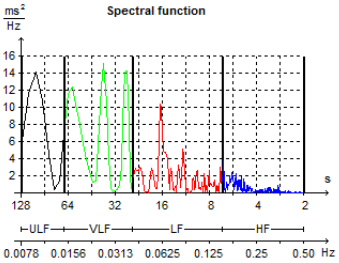
**Histogram**




**Scattergram**




**Spectral function**



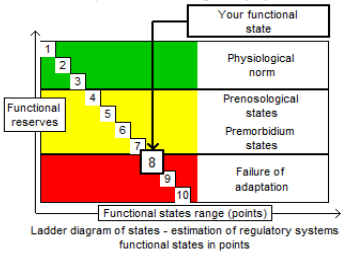

## High pressure and asthma - treated (??? How)

***Ježková Miluše*** # 133

Date and Time: 25.09.2011 10:06
Age: 48.0 Sex: female
Address:

**Functional state estimation**

Moderate impairment of the regulatory systems

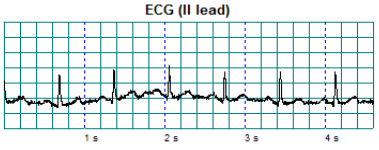



Ladder diagram of states - estimation of regulatory systems functional states in points

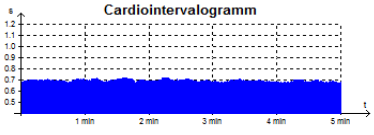
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (II lead)**




**Cardiointervalogramm**



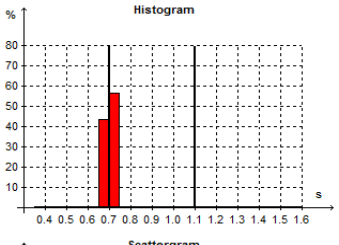

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 85** | 60 - 75 |
| Standard deviation (SDNN), ms | 10.3** | 30 - 69 |
| Coefficient of variation (CV), % | 1.5* | 3 - 12 |
| Stress index (SI), comp.un. | 741** | 70 - 150 |
| Index of centralization (IC), comp.un. | 9.2** | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 9.8** | 20 - 39 |
| Performance LF, % | 40.1* | 15 - 39 |
| Performance VLF, % | 50.1* | 15 - 39 |
| TP, ms$^2$ | 79** | 1000 - 2000 |

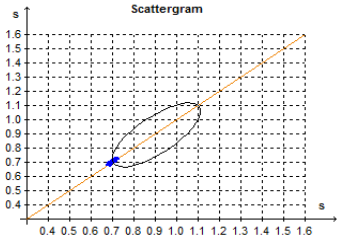
**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.

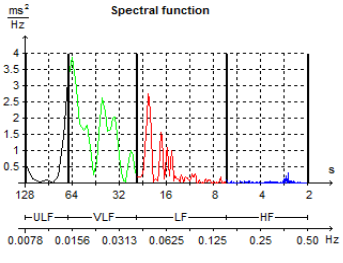
**Histogram**



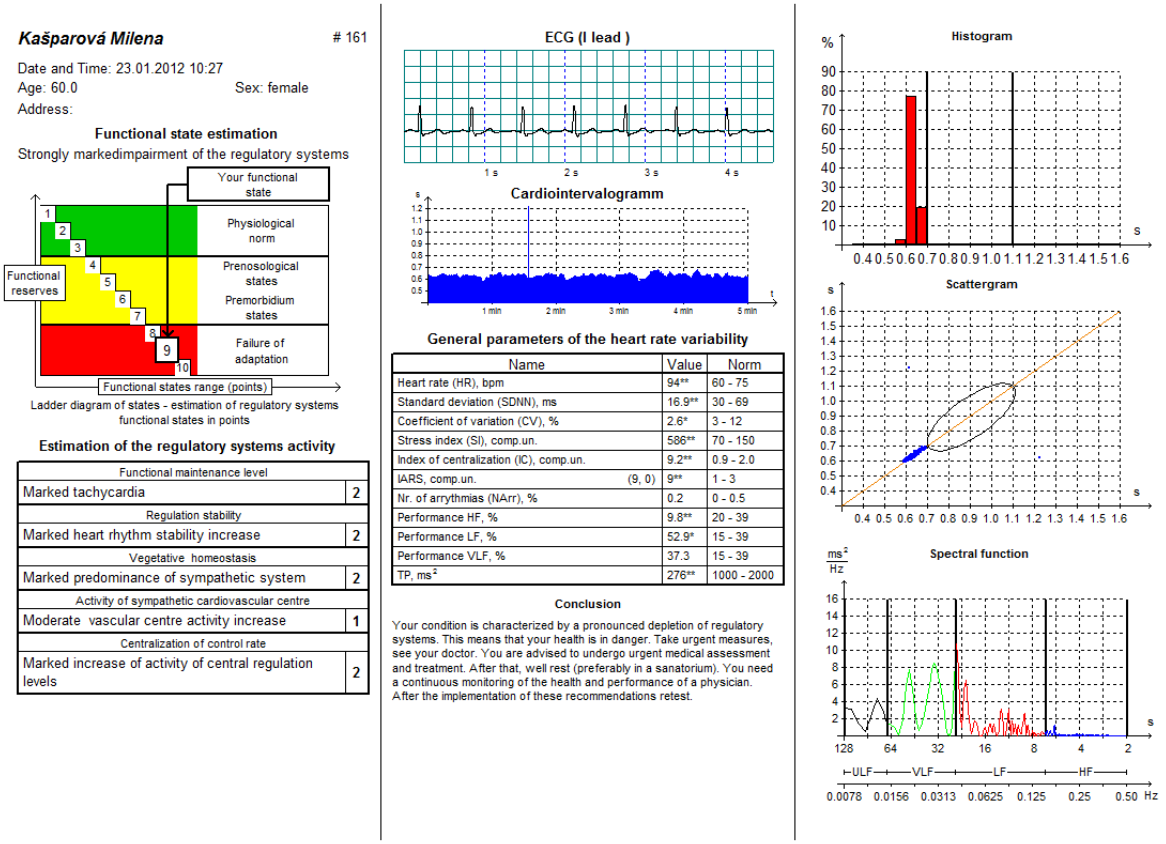

**Scattergram**




**Spectral function**



## High pressure, high cholesterol - Healing



***Kašparová Milena*** # 161

Date and Time: 23.01.2012 10:27
Age: 60.0 Sex: female
Address:

**Functional state estimation**

Strongly markedimpairment of the regulatory systems



Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (I lead )**

**Cardiointervalogramm**

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 94** | 60 - 75 |
| Standard deviation (SDNN), ms | 16.9** | 30 - 69 |
| Coefficient of variation (CV), % | 2.6* | 3 - 12 |
| Stress index (SI), comp.un. | 586** | 70 - 150 |
| Index of centralization (IC), comp.un. | 9.2** | 0.9 - 2.0 |
| IARS, comp.un. (9, 0) | 9** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.2 | 0 - 0.5 |
| Performance HF, % | 9.8** | 20 - 39 |
| Performance LF, % | 52.9* | 15 - 39 |
| Performance VLF, % | 37.3 | 15 - 39 |
| TP, ms² | 276** | 1000 - 2000 |

**Conclusion**

Your condition is characterized by a pronounced depletion of regulatory systems. This means that your health is in danger. Take urgent measures, see your doctor. You are advised to undergo urgent medical assessment and treatment. After that, well rest (preferably in a sanatorium). You need a continuous monitoring of the health and performance of a physician. After the implementation of these recommendations retest.

**Histogram**

**Scattergram**

**Spectral function**



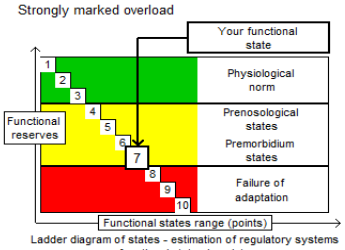
## High blood pressure, problems with the diaphragm, high cholesterol - an alcoholic

**_Kvitoò Roman_** # 154

Date and Time: 12.12.2011 13:40
Age: 49.0 Sex: male
Address:

**Functional state estimation**

Strongly marked overload

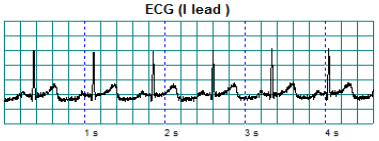



Ladder diagram of states - estimation of regulatory systems functional states in points

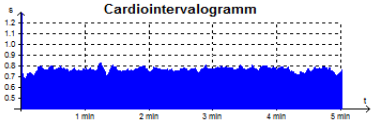
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Moderate heart variability increase | .1 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

ECG (I lead )




Cardiointervalogramm



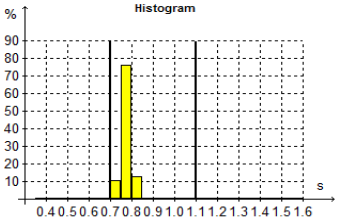

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 77* | 60 - 75 |
| Standard deviation (SDNN), ms | 77.3* | 30 - 69 |
| Coefficient of variation (CV), % | 9.9 | 3 - 12 |
| Stress index (SI), comp.un. | 32** | 70 - 150 |
| Index of centralization (IC), comp.un. | 11.5** | 0.9 - 2.0 |
| IARS, comp.un. (6, -1) | 7* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 8.0** | 20 - 39 |
| Performance LF, % | 56.8* | 15 - 39 |
| Performance VLF, % | 35.2 | 15 - 39 |
| TP, ms² | 445** | 1000 - 2000 |

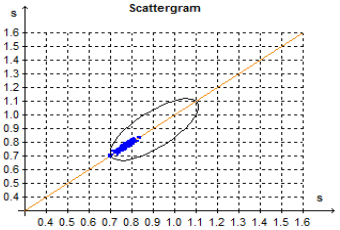
**Conclusion**

Your condition is characterized by a pronounced overstrain regulation systems. This means that you need to pay serious attention to the state of his health, as long overstrain regulatory systems as a result of stress may have triggered the development of latent or early forms of the disease, what you may not know. You are advised to take preventive visit your doctor for recommendations on prevention and treatment. Restriction is required psycho-emotional stress, labor regulation, rest in a sanatorium. It is desirable to re-examination after the course of treatment and prevention.

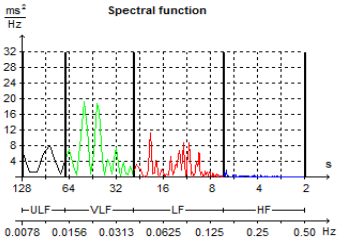
Histogram




Scattergram




Spectral function



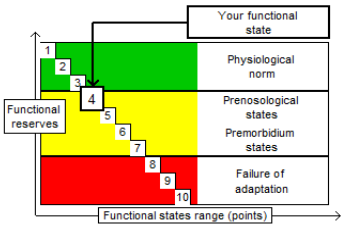

High blood pressure, decreased activity of the thyroid gland, loss of consciousness, eczema

**_Adámková Rùžena_** # 202

Date and Time: 14.06.2012 17:59
Age: 67.0 Sex: female
Address:

**Functional state estimation**

Marked functional load

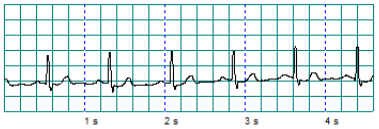



Ladder diagram of states - estimation of regulatory systems functional states in points

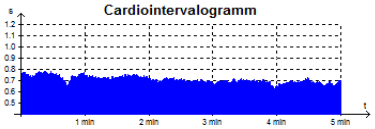
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Normal heart rhythm stability | 0 |
| Vegetative homeostasis | |
| Moderate predominance of sympathetic system | 1 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

ECG (I lead )




Cardiointervalogramm



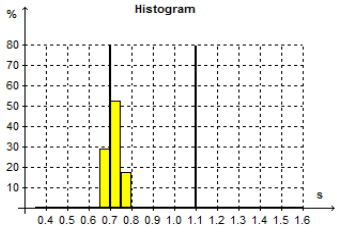

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 84* | 60 - 75 |
| Standard deviation (SDNN), ms | 30.6 | 30 - 69 |
| Coefficient of variation (CV), % | 4.3 | 3 - 12 |
| Stress index (SI), comp.un. | 236* | 70 - 150 |
| Index of centralization (IC), comp.un. | 7.2** | 0.9 - 2.0 |
| IARS, comp.un. (4, 0) | 4* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 12.2* | 20 - 39 |
| Performance LF, % | 29.5 | 15 - 39 |
| Performance VLF, % | 58.3* | 15 - 39 |
| TP, ms² | 321** | 1000 - 2000 |

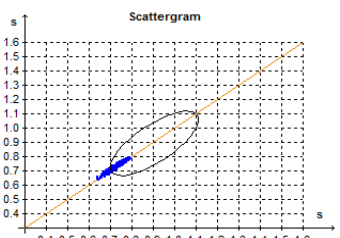
**Conclusion**

Your condition is characterized by increased activity of regulatory systems. This indicates a decrease in functional reserves. The body reacts to all stressors. You are encouraged to pay serious attention to their health. Eliminate risk factors such as elevated psycho-emotional stress, sleep disorders, eating disorders and other required load regulation of labor, systematic physical exercise, try to spend more time in the air. Look for yourself and arrange for fun. You need a good rest. Thereafter, repeat the examination.

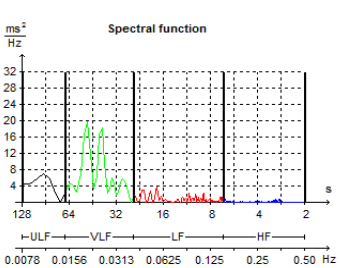
Histogram




Scattergram




Spectral function



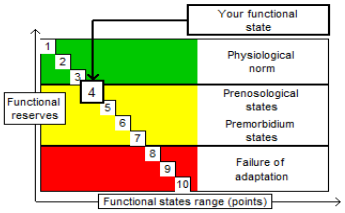
High age - hypertension, angina pectoris, widen blood vessels, diaphragmatic hernia, stomach problems, high cholesterol, osteoporosis

***Kvitoòová Milada*** # 153

Date and Time: 12.12.2011 13:15
Age: 87.0 Sex: female
Address:

**Functional state estimation**

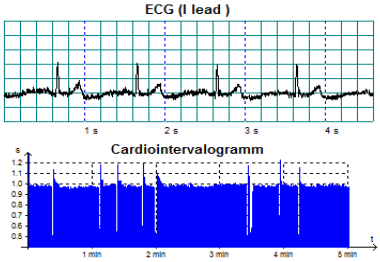
Marked functional load




Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Marked predominance of parasympathetic system | -2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Normal activity of central regulation levels | 0 |

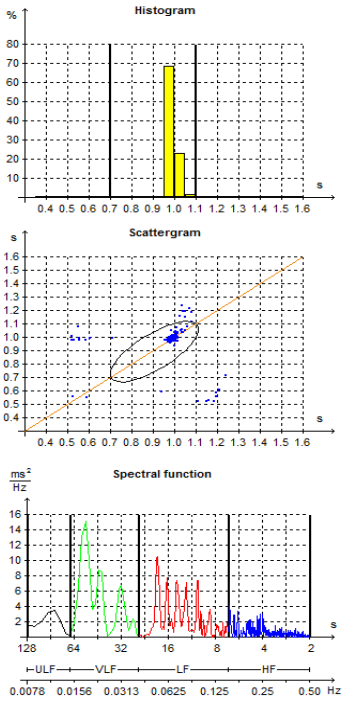



**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 60 | 60 - 75 |
| Standard deviation (SDNN), ms | 61.3 | 30 - 69 |
| Coefficient of variation (CV), % | 6.1 | 3 - 12 |
| Stress index (SI), comp.un. | 35** | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.7 | 0.9 - 2.0 |
| IARS, comp.un. (1, -3) | 4* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 2.9* | 0 - 0.5 |
| Performance HF, % | 37.6 | 20 - 39 |
| Performance LF, % | 42.5* | 15 - 39 |
| Performance VLF, % | 19.8 | 15 - 39 |
| TP, ms² | 578* | 1000 - 2000 |

**Conclusion**

Your condition is characterized by increased activity of regulatory systems. This indicates a decrease in functional reserves. The body reacts to all stressors. You are encouraged to pay serious attention to their health. Eliminate risk factors such as elevated psycho-emotional stress, sleep disorders, eating disorders and other required load regulation of labor, systematic physical exercise, try to spend more time in the air. Look for yourself and arrange for fun. You need a good rest. Thereafter, repeat the examination.



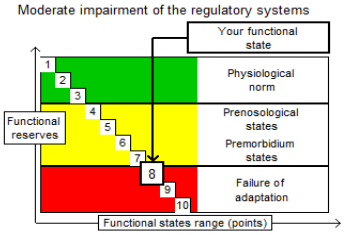

Treated high blood pressure, blood thinners, high cholesterol, - after a heart attack, bypass heart - Healing

***Korè Zdeník*** # 75

Date and Time: 18.10.2010 14:36
Age: 59.0 Sex: male
Address:

**Functional state estimation**

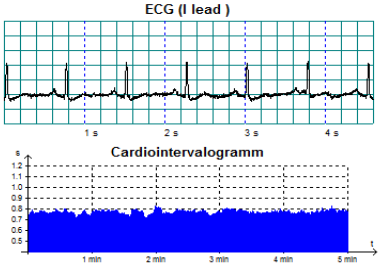
Moderate impairment of the regulatory systems




Ladder diagram of states - estimation of regulatory systems functional states in points

**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

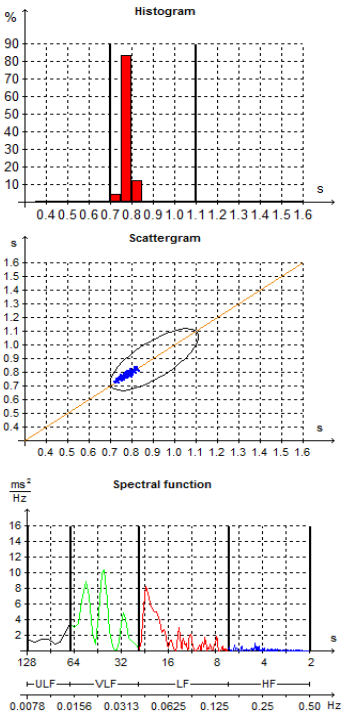



**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 77* | 60 - 75 |
| Standard deviation (SDNN), ms | 17.7** | 30 - 69 |
| Coefficient of variation (CV), % | 2.3* | 3 - 12 |
| Stress index (SI), comp.un. | 464** | 70 - 150 |
| Index of centralization (IC), comp.un. | 6.7** | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 13.1* | 20 - 39 |
| Performance LF, % | 53.9* | 15 - 39 |
| Performance VLF, % | 33.1 | 15 - 39 |
| TP, ms² | 289** | 1000 - 2000 |

**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.



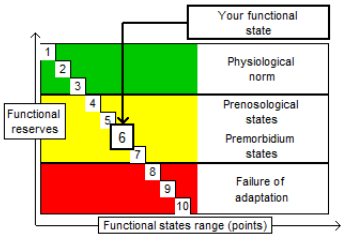

High pressure, tingling, problems with nerves - Brain Tumor – very big problem

***Jirmanová Oldøiška*** # 124

Date and Time: 01.09.2011 15:43
Age: 63.0 Sex: female
Address:

**Functional state estimation**

Functional overload

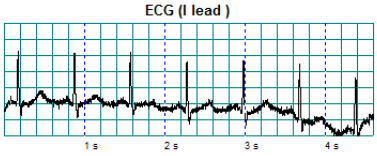



Ladder diagram of states - estimation of regulatory systems functional states in points

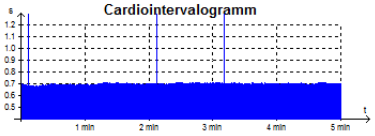
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| High activity of central regulation levels | 1 |

**ECG (I lead )**




**Cardiointervalogramm**



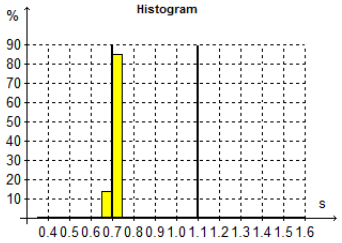

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 85* | 60 - 75 |
| Standard deviation (SDNN), ms | 6.7** | 30 - 69 |
| Coefficient of variation (CV), % | 1.0* | 3 - 12 |
| Stress index (SI), comp.un. | 1559** | 70 - 150 |
| Index of centralization (IC), comp.un. | 3.9* | 0.9 - 2.0 |
| IARS, comp.un. (6, 0) | 6* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.2 | 0 - 0.5 |
| Performance HF, % | 20.4 | 20 - 39 |
| Performance LF, % | 33.2 | 15 - 39 |
| Performance VLF, % | 46.4* | 15 - 39 |
| TP, ms$^2$ | 21** | 1000 - 2000 |

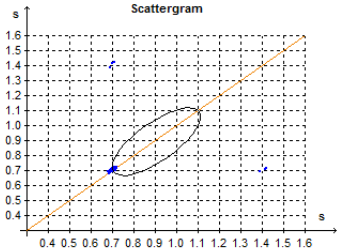
**Conclusion**

Your condition is characterized by overexertion regulatory mechanisms. This means that you need to pay serious attention to the state of his health, as long overvoltage regulatory systems as a result of stress leads to disease. You are advised to repeat the survey in a few weeks after the implementation of measures to normalize the state. Requires mental unloading, labor constraints loads the correct organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell, seek medical advice.

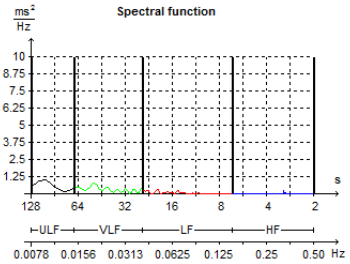
**Histogram**




**Scattergram**




**Spectral function**



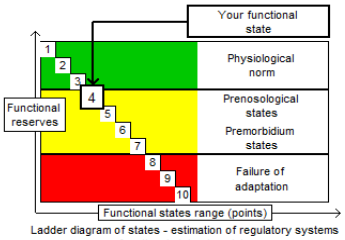

Replenishment of hormones in the body

***Zimová Helena*** # 66

Date and Time: 30.06.2010 20:03
Age: 29.0 Sex: female
Address:

**Functional state estimation**

Marked functional load

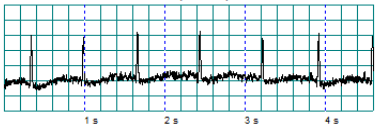



Ladder diagram of states - estimation of regulatory systems functional states in points

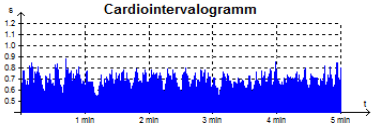
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Normal heart rhythm stability | 0 |
| Vegetative homeostasis | |
| Moderate predominance of parasympathetic system | -1 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Moderate decrease activity of central regulation levels | -1 |

**ECG (I lead )**




**Cardiointervalogramm**



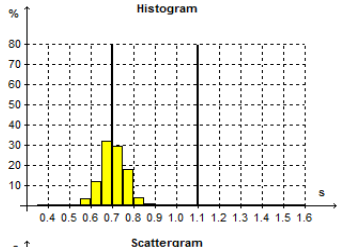

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 85* | 60 - 75 |
| Standard deviation (SDNN), ms | 57.9 | 30 - 69 |
| Coefficient of variation (CV), % | 8.2 | 3 - 12 |
| Stress index (SI), comp.un. | 69* | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.7 | 0.9 - 2.0 |
| IARS, comp.un. (2, -2) | 4* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 36.7 | 20 - 39 |
| Performance LF, % | 48.7* | 15 - 39 |
| Performance VLF, % | 14.6* | 15 - 39 |
| TP, ms$^2$ | 3140* | 1000 - 2000 |

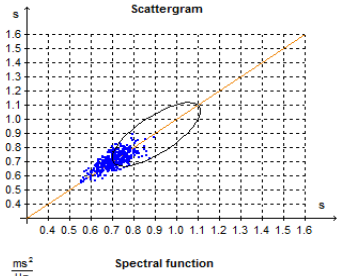
**Conclusion**

Your condition is characterized by increased activity of regulatory systems. This indicates a decrease in functional reserves. The body reacts to all stressors. You are encouraged to pay serious attention to their health. Eliminate risk factors such as elevated psycho-emotional stress, sleep disorders, eating disorders and other required load regulation of labor, systematic physical exercise, try to spend more time in the air. Look for yourself and arrange for fun. You need a good rest. Thereafter, repeat the examination.

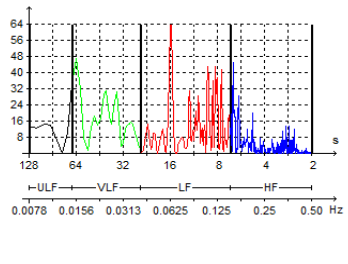
**Histogram**



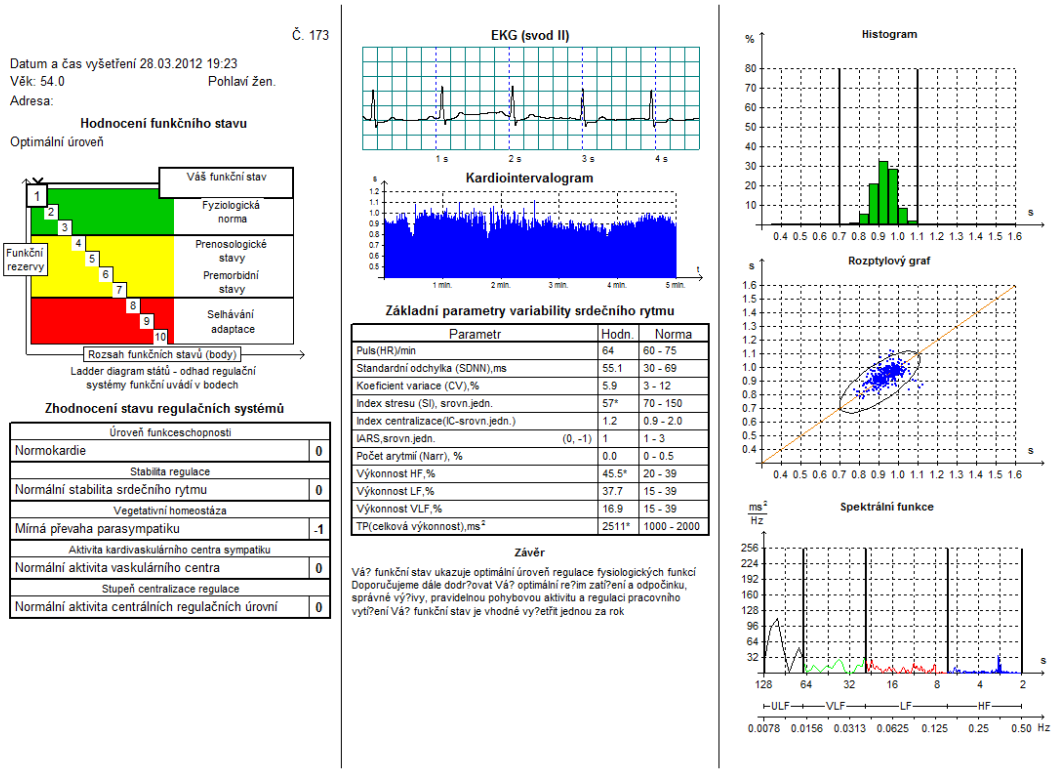

**Scattergram**



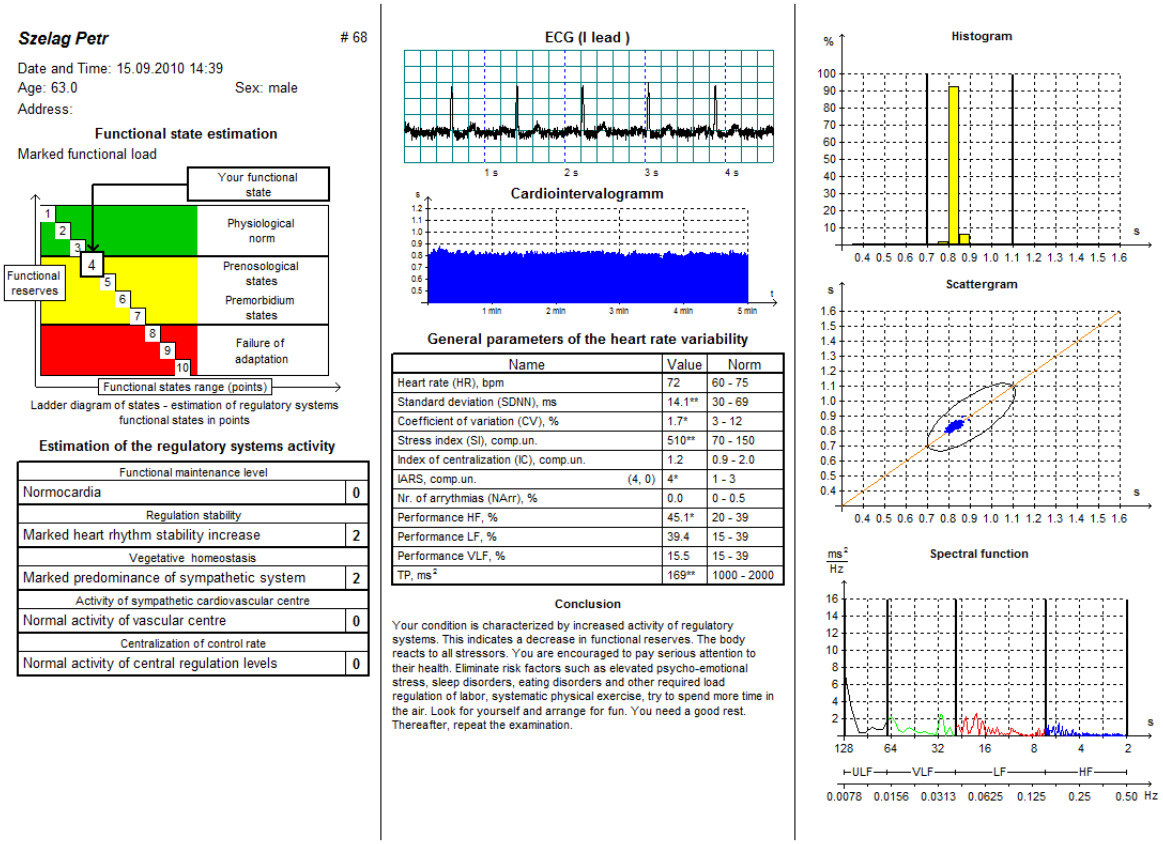

**Spectral function**




Doplňování hormonů po přechodu




Vegetarian - 30 years treating diabetes



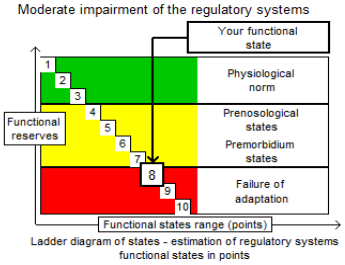

Hypertension, diabetes, nerve pain, urological problems

***Šotolová Zdenka*** # 128

Date and Time: 01.09.2011 17:08
Age: 69.0 Sex: female
Address:

**Functional state estimation**

Moderate impairment of the regulatory systems

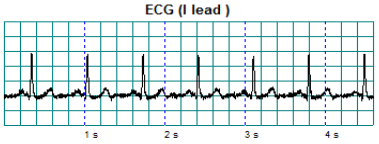



Ladder diagram of states - estimation of regulatory systems functional states in points

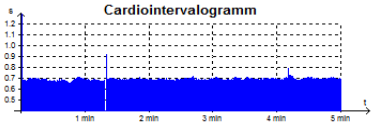
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| High activity of central regulation levels | 1 |

**ECG (I lead )**




**Cardiointervalogramm**



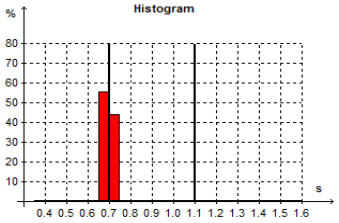

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 86** | 60 - 75 |
| Standard deviation (SDNN), ms | 11.5** | 30 - 69 |
| Coefficient of variation (CV), % | 1.6* | 3 - 12 |
| Stress index (SI), comp.un. | 288* | 70 - 150 |
| Index of centralization (IC), comp.un. | 3.9* | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.2 | 0 - 0.5 |
| Performance HF, % | 20.4 | 20 - 39 |
| Performance LF, % | 59.7* | 15 - 39 |
| Performance VLF, % | 19.9 | 15 - 39 |
| TP, ms$^2$ | 98** | 1000 - 2000 |

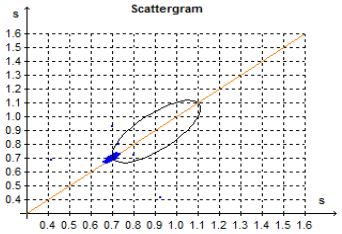
**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.

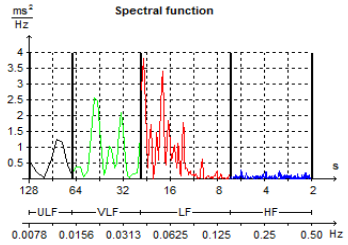
**Histogram**




**Scattergram**




**Spectral function**



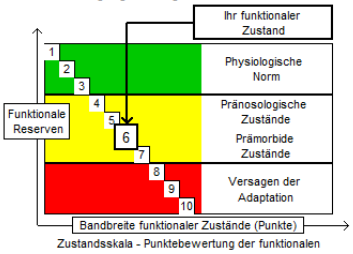

Vegetarian

***Škvaøil Jaroslav*** Nr. 57

Datum und Uhrzeit der Untersuchung: 25.03.2010 13:10
Alter: 55.0 Geschlecht: männ.
Adresse:

**Bewertung des funktionalen Zustandes**

Überanstrengung der Regulationsmechanismen

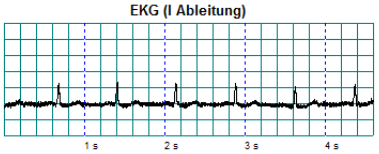



Zustandsskala - Punktebewertung der funktionalen Zustände der Regulationssysteme

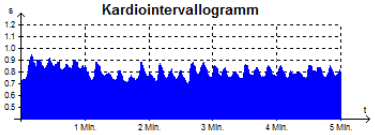
**Bewertung des Zustandes der Regulationssystemsaktivität**

| | |
|---|---|
| Funktionsfähigkeitebene | |
| Normokardie | 0 |
| Regulationsstabilität | |
| Normal Herzrhythmusstabilität | 0 |
| Vegetative Homöostase | |
| Ausgeprägtes Vorherrschen des sympathischen Nervensystems | 2 |
| Aktivität der sympathisches kardiovaskuläres Zentrum | |
| Ausgeprägte Erhöhung der Aktivität des vaskul. Zentrums | 2 |
| Steuerungszentralisierung | |
| Ausgeprägte Erhöhung der Aktivität des Regulationszentral ebenen | 2 |

**EKG (I Ableitung)**




**Kardiointervallogramm**



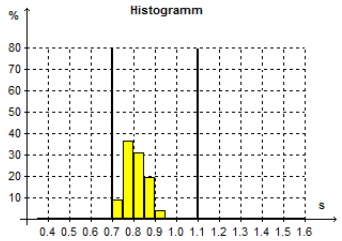

**Hauptparameter des Herzrhythmusses**

| Bezeichnung | Wert | Norm |
|---|---|---|
| Puls (HR), Schl./Min. | 74 | 60 - 75 |
| Mittlere Quadratabweichung (SDNN), Ms | 48.9 | 30 - 69 |
| Variationskoeffizient (CV), % | 6.0 | 3 - 12 |
| Streßindex (SI), Bezugseinheiten | 96 | 70 - 150 |
| Zentralisierungsindex (IC), Bezugseinheiten | 27.3** | 0.9 - 2.0 |
| IRSA, Bezugseinheiten (6, 0) | 6* | 1 - 3 |
| Anzahl der Arrythmien (NArr), % | 0.0 | 0 - 0.5 |
| Leistung HF, % | 3.5** | 20 - 39 |
| Leistung LF, % | 79.5** | 15 - 39 |
| Leistung VLF, % | 16.9 | 15 - 39 |
| TP (Totale Leistung), Ms$^2$ | 1939 | 1000 - 2000 |

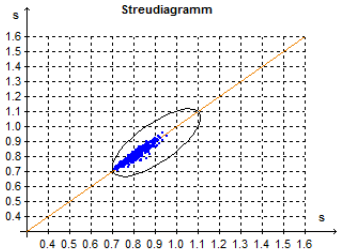
**Zusammenfassung**

Ihr Zustand wird durch die überanstrengung der Regulationsmechanismen gekennzeichnet. Dies bedeutet, daß es für Sie notwendig ist, eine hohe Aufmerksamkeit Ihrem Gesundheitszustand zu schenken, da die dauerhafte überanstrengung der Regulationssysteme als Resultat des Stresses Zur entwicklung von krankheiten führt. Ihnen wird empfohlen, die Untersuchung einige Wochen nach der Durchführung von Maßnahmen zur Normalisierung des Zustandes zu wiederholen. Die psychische Entlastung, die Beschränkung der Arbeitsbelastungen, die Organisation des richtigen Tagesregimes und der vernünftigen Ernährung sind notwendig. Es wird empfohlen, bei Beschwerden über das schlechte Befinden sich an einen Arzt zu wenden.

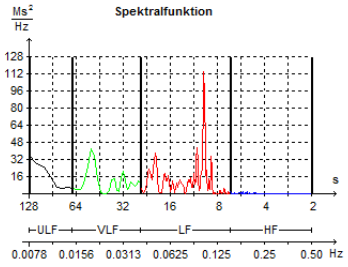
**Histogramm**




**Streudiagramm**




**Spektralfunktion**



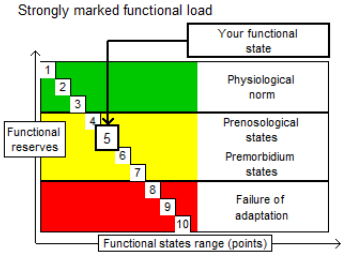

long-term back pain

***Dunièka Jiøí*** # 176

Date and Time: 30.03.2012 09:12
Age: 54.0 Sex: male
Address:

**Functional state estimation**

Strongly marked functional load

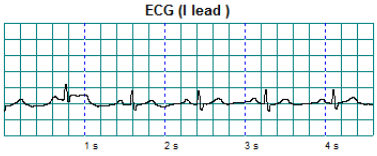



Ladder diagram of states - estimation of regulatory systems functional states in points

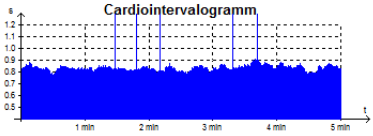
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Marked decrease of activity of central regulation levels | -2 |

ECG (I lead )



Cardiointervalogramm



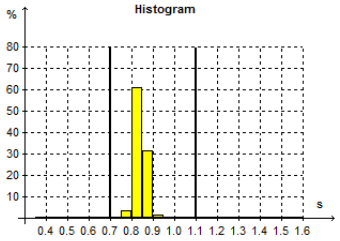
**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 71 | 60 - 75 |
| Standard deviation (SDNN), ms | 66.0 | 30 - 69 |
| Coefficient of variation (CV), % | 7.8 | 3 - 12 |
| Stress index (SI), comp.un. | 42* | 70 - 150 |
| Index of centralization (IC), comp.un. | 0.3** | 0.9 - 2.0 |
| IARS, comp.un. (2, -3) | 5* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.9* | 0 - 0.5 |
| Performance HF, % | 78.4** | 20 - 39 |
| Performance LF, % | 15.5 | 15 - 39 |
| Performance VLF, % | 6.1* | 15 - 39 |
| TP, ms² | 3690** | 1000 - 2000 |

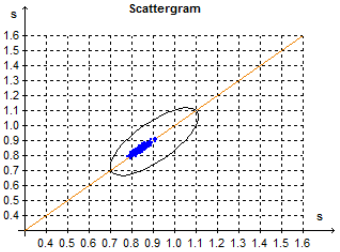
**Conclusion**

Your functional status requires serious attention. It is characterized by very high activity of regulatory systems that appear to be associated with decreased functional reserves, frequent and prolonged stress and stress. You are encouraged to pay serious attention to their health. Requires mental unloading, labor constraints and loads of physical exertion proper organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell seek medical attention. It is advisable to repeat the survey after the health and preventive measures.

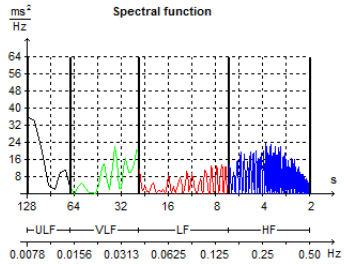
Histogram



Scattergram



Spectral function



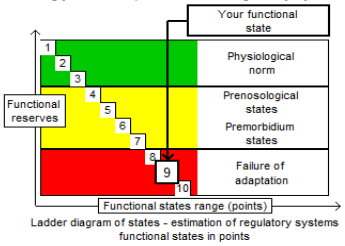
Short-term pain in the lumbar spine - 14 days

***Kubín,Jan*** # 1

Date and Time: 13.06.2011 10:16
Age: 47.0 Sex: male
Address:

**Functional state estimation**

Strongly markedimpairment of the regulatory systems

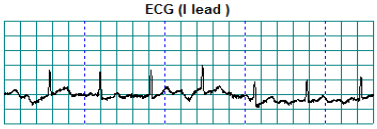



Ladder diagram of states - estimation of regulatory systems functional states in points

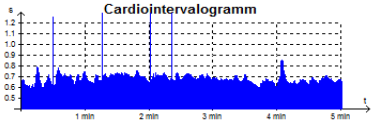
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Marked vascular centre activity increase | 2 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

ECG (I lead )



Cardiointervalogramm



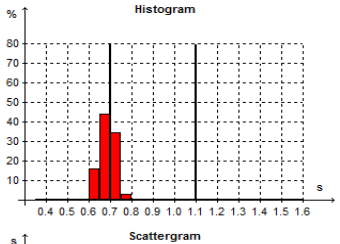
**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 87** | 60 - 75 |
| Standard deviation (SDNN), ms | 39.5 | 30 - 69 |
| Coefficient of variation (CV), % | 5.7 | 3 - 12 |
| Stress index (SI), comp.un. | 125 | 70 - 150 |
| Index of centralization (IC), comp.un. | 8.6** | 0.9 - 2.0 |
| IARS, comp.un. (8, -1) | 9** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.7* | 0 - 0.5 |
| Performance HF, % | 10.4* | 20 - 39 |
| Performance LF, % | 69.4** | 15 - 39 |
| Performance VLF, % | 20.2 | 15 - 39 |
| TP, ms² | 1403 | 1000 - 2000 |

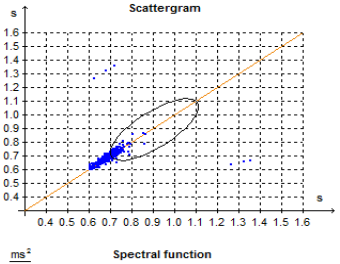
**Conclusion**

Your condition is characterized by a pronounced depletion of regulatory systems. This means that your health is in danger. Take urgent measures, see your doctor. You are advised to undergo urgent medical assessment and treatment. After that, well rest (preferably in a sanatorium). You need a continuous monitoring of the health and performance of a physician. After the implementation of these recommendations retest.

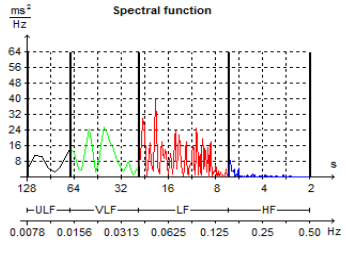
Histogram



Scattergram



Spectral function



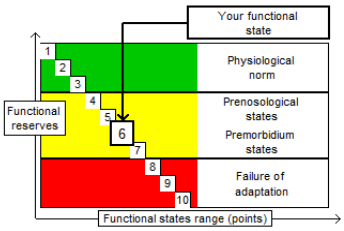
Retreat back pains after 1.5 hour - Krain-sacral massage

***Kubín,Jan*** # 1

Date and Time: 13.06.2011 12:05
Age: 47.0 Sex: male
Address:

**Functional state estimation**

Functional overload

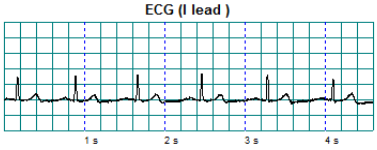



Ladder diagram of states - estimation of regulatory systems functional states in points

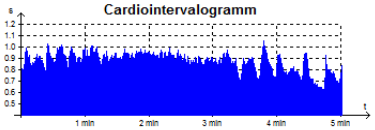
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Moderate heart variability increase | -1 |
| Vegetative homeostasis | |
| Moderate predominance of parasympathetic system | -1 |
| Activity of sympathetic cardiovascular centre | |
| Marked vascular centre activity increase | 2 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (I lead )**




**Cardiointervalogramm**



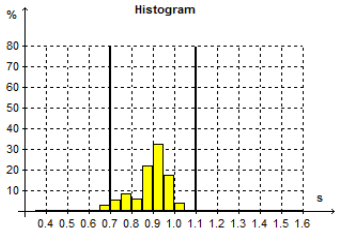

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 68 | 60 - 75 |
| Standard deviation (SDNN), ms | 82.7* | 30 - 69 |
| Coefficient of variation (CV), % | 9.3 | 3 - 12 |
| Stress index (SI), comp.un. | 42* | 70 - 150 |
| Index of centralization (IC), comp.un. | 4.6** | 0.9 - 2.0 |
| IARS, comp.un. (4, -2) | 6* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 17.9* | 20 - 39 |
| Performance LF, % | 70.2** | 15 - 39 |
| Performance VLF, % | 11.8* | 15 - 39 |
| TP, ms² | 2913* | 1000 - 2000 |

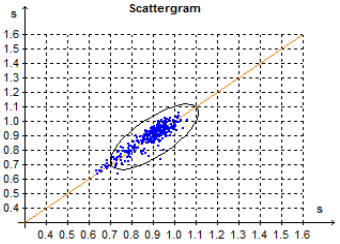
**Conclusion**

Your condition is characterized by overexertion regulatory mechanisms. This means that you need to pay serious attention to the state of his health, as long overvoltage regulatory systems as a result of stress leads to disease. You are advised to repeat the survey in a few weeks after the implementation of measures to normalize the state. Requires mental unloading, labor constraints loads the correct organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell, seek medical advice.

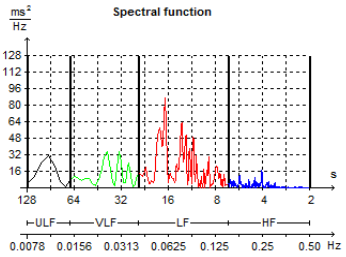
**Histogram**




**Scattergram**




**Spectral function**



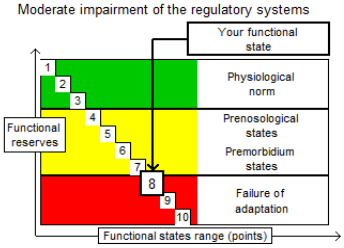

The urge to cough, allergy juices, changes in the spine vertebrae - decalcification

***Lelek Miroslav*** # 188

Date and Time: 18.05.2012 13:05
Age: 56.0 Sex: male
Address:

**Functional state estimation**

Moderate impairment of the regulatory systems

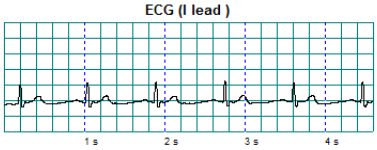



Ladder diagram of states - estimation of regulatory systems functional states in points

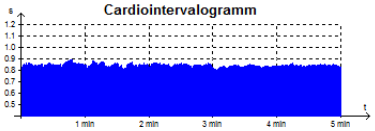
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Marked vascular centre activity increase | 2 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (I lead )**




**Cardiointervalogramm**



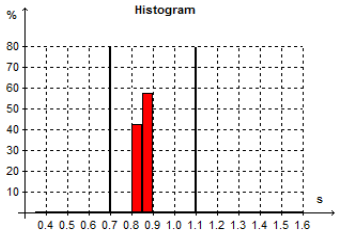

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 70 | 60 - 75 |
| Standard deviation (SDNN), ms | 14.1** | 30 - 69 |
| Coefficient of variation (CV), % | 1.6* | 3 - 12 |
| Stress index (SI), comp.un. | 362** | 70 - 150 |
| Index of centralization (IC), comp.un. | 5.1** | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 16.5* | 20 - 39 |
| Performance LF, % | 60.8** | 15 - 39 |
| Performance VLF, % | 22.8 | 15 - 39 |
| TP, ms² | 162** | 1000 - 2000 |

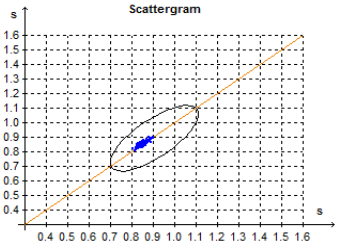
**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.

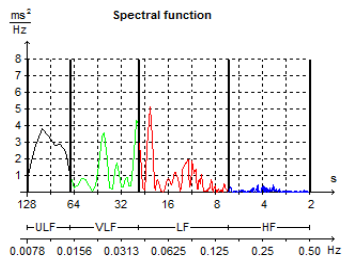
**Histogram**



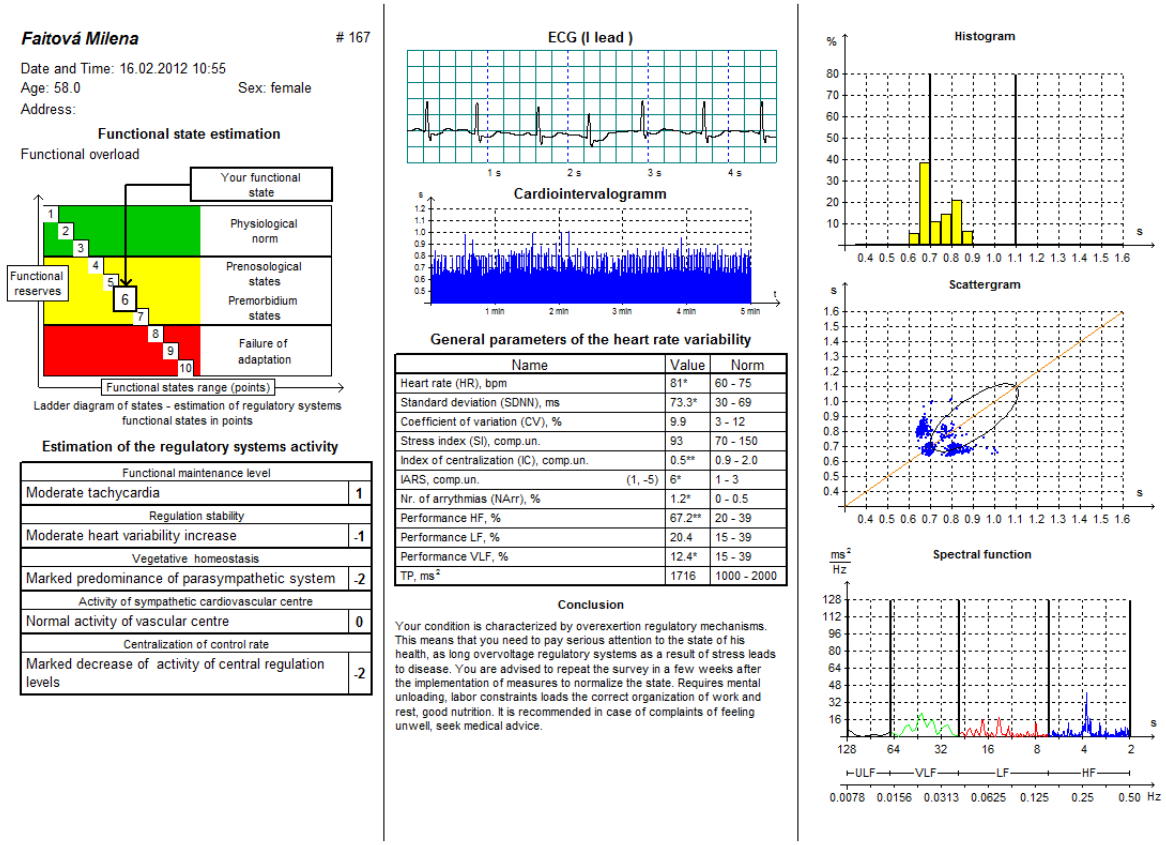

**Scattergram**



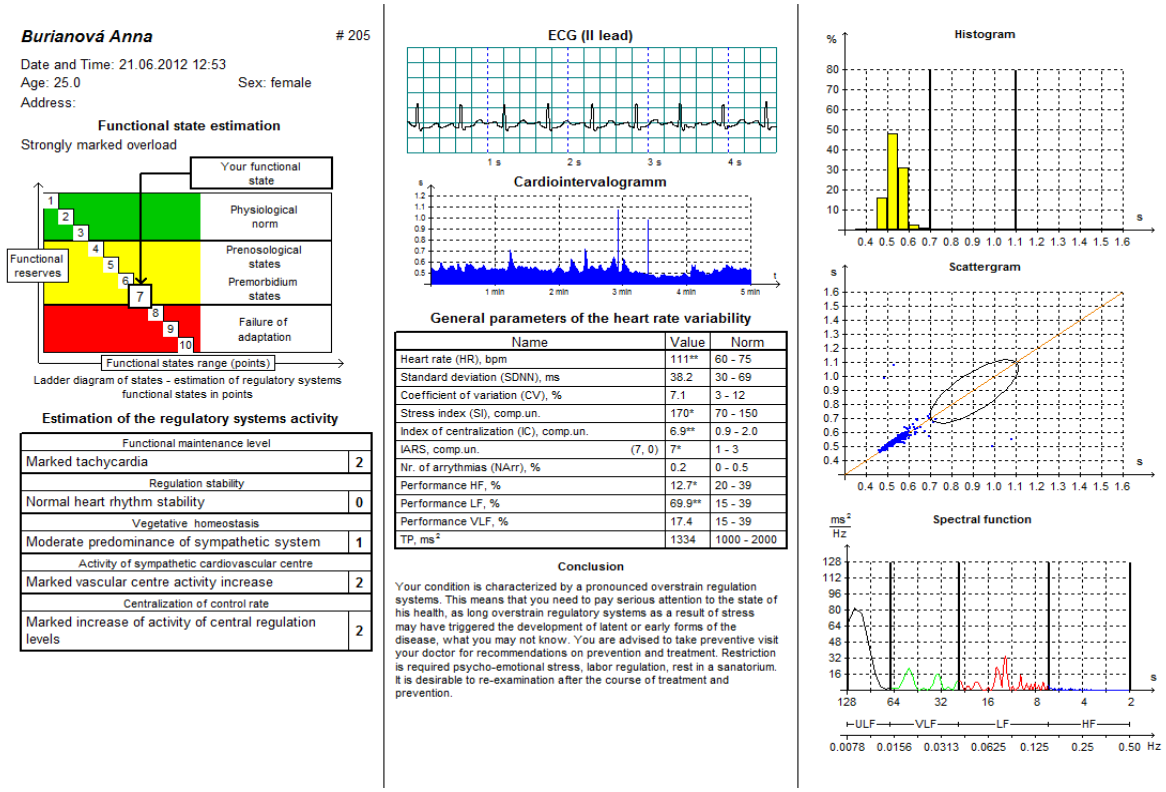

**Spectral function**




High blood pressure, pain in the hip




Long-term decreased activity of the thyroid gland




nervousness, headache, left foot swells during the day - red and hurts

***Domaniková Alžbita - Kepková*** # 199

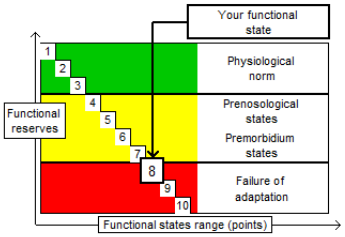
Date and Time: 14.06.2012 11:35

Age: 51.0 Sex: female

Address:

**Functional state estimation**

Moderate impairment of the regulatory systems

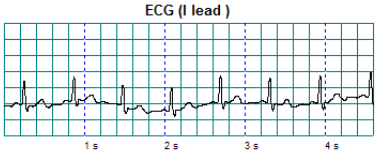



Ladder diagram of states - estimation of regulatory systems functional states in points

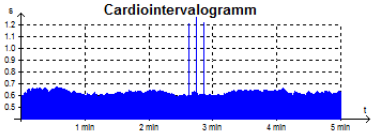
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (I lead )**



**Cardiointervalogramm**



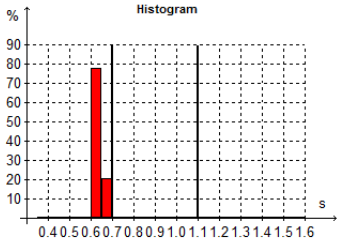
**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 95** | 60 - 75 |
| Standard deviation (SDNN), ms | 18.4** | 30 - 69 |
| Coefficient of variation (CV), % | 2.9* | 3 - 12 |
| Stress index (SI), comp.un. | 764** | 70 - 150 |
| Index of centralization (IC), comp.un. | 4.8** | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.4 | 0 - 0.5 |
| Performance HF, % | 17.2* | 20 - 39 |
| Performance LF, % | 39.6 | 15 - 39 |
| Performance VLF, % | 43.2* | 15 - 39 |
| TP, ms$^2$ | 289** | 1000 - 2000 |

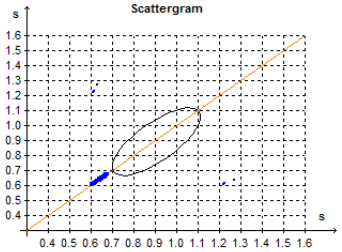
**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.

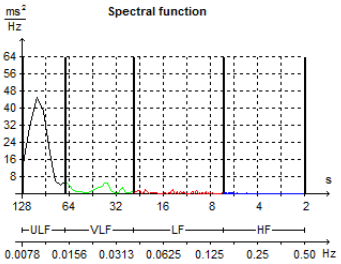
**Histogram**



**Scattergram**



**Spectral function**



## Ovarian cancer - immediate hospitalization

***Domaniková Alžbita - Kepková*** # 199

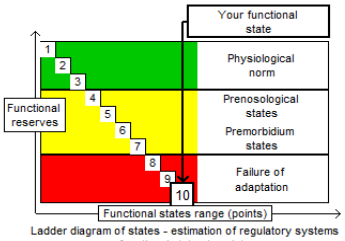
Date and Time: 23.01.2015 12:03

Age: 54.0 Sex: female

Address:

**Functional state estimation**

Failure of the adaptation mechanisms

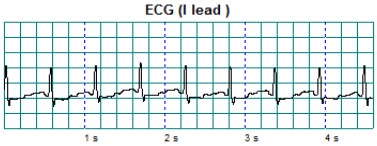



Ladder diagram of states - estimation of regulatory systems functional states in points

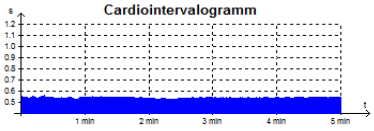
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Marked vascular centre activity increase | 2 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (I lead )**



**Cardiointervalogramm**



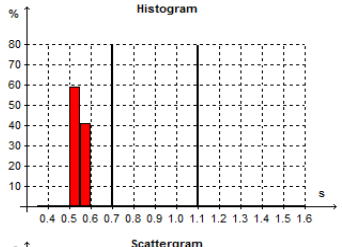
**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 109** | 60 - 75 |
| Standard deviation (SDNN), ms | 5.8** | 30 - 69 |
| Coefficient of variation (CV), % | 1.1* | 3 - 12 |
| Stress index (SI), comp.un. | 1389** | 70 - 150 |
| Index of centralization (IC), comp.un. | 9.0** | 0.9 - 2.0 |
| IARS, comp.un. (10, 0) | 10** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 10.0* | 20 - 39 |
| Performance LF, % | 69.8** | 15 - 39 |
| Performance VLF, % | 20.2 | 15 - 39 |
| TP, ms$^2$ | 25** | 1000 - 2000 |

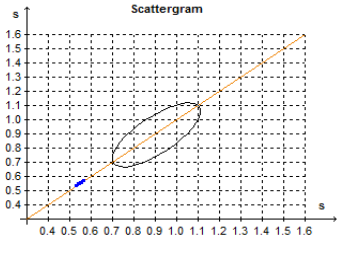
**Conclusion**

Your status indicates failure of regulatory mechanisms. This means that your health is undermined. You need to see a doctor immediately. You are advised to undergo a thorough medical examination and treatment, long well-organized (preferably in a sanatorium) rest, regular monitoring of the health and performance of doctor's appointments.

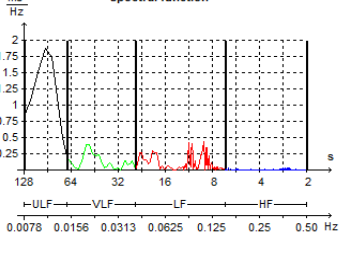
**Histogram**



**Scattergram**



**Spectral function**



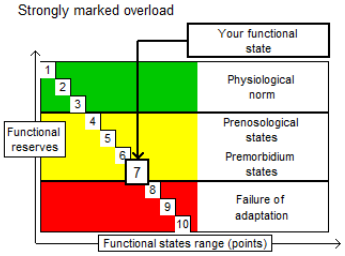
## Severe arrhythmias - must recalculate Total Power- can not be assessed

**Bakaev** # 2

Date and Time: 19.11.2009 15:28
Age: 58.0 Sex: male
Address:

**Functional state estimation**

Strongly marked overload

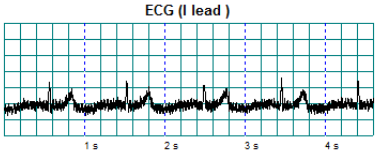



Ladder diagram of states - estimation of regulatory systems functional states in points

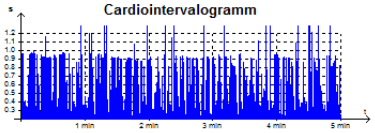
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Moderate tachycardia | 1 |
| Regulation stability | |
| Marked heart variability increase-arrhytmia | -2 |
| Vegetative homeostasis | |
| Marked predominance of parasympathetic system | -2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Moderate decrease activity of central regulation levels | -1 |

**ECG (I lead )**




**Cardiointervalogramm**




**General parameters of the heart rate variability**

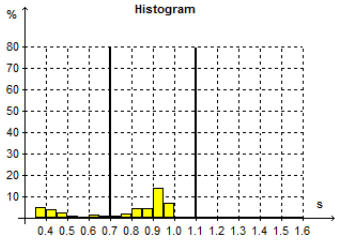
| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 83* | 60 - 75 |
| Standard deviation (SDNN), ms | 264.7** | 30 - 69 |
| Coefficient of variation (CV), % | 36.7* | 3 - 12 |
| Stress index (SI), comp.un. | 10** | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.2 | 0.9 - 2.0 |
| IARS, comp.un. (2, -5) | 7* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 11.7** | 0 - 0.5 |
| Performance HF, % | 44.8* | 20 - 39 |
| Performance LF, % | 45.0* | 15 - 39 |
| Performance VLF, % | 10.2* | 15 - 39 |
| TP, ms$^2$ | 58217** | 1000 - 2000 |

**Conclusion**

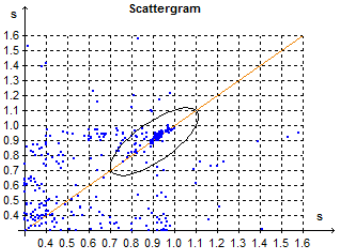
Your condition is characterized by a pronounced overstrain regulation systems. This means that you need to pay serious attention to the state of his health, as long overstrain regulatory systems as a result of stress may have triggered the development of latent or early forms of the disease, what you may not know. You are advised to take preventive visit your doctor for recommendations on prevention and treatment. Restriction is required psycho-emotional stress, labor regulation, rest in a sanatorium. It is desirable to re-examination after the course of treatment and prevention.

You need cardiologist consultation (arrythmias > 4%)

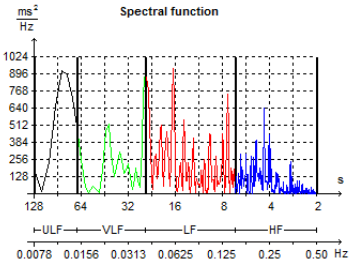
**Histogram**




**Scattergram**




**Spectral function**



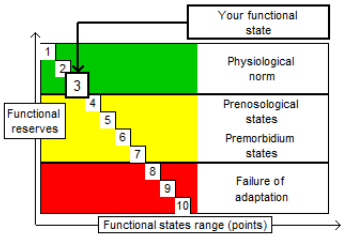

## Classical arrhythmia

**Bém Jan Marie** # 137

Date and Time: 27.09.2011 16:18
Age: 30.0 Sex: female
Address:

**Functional state estimation**

Moderate functional load

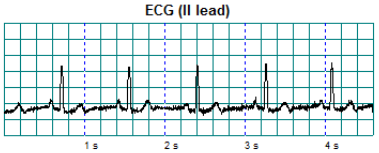



Ladder diagram of states - estimation of regulatory systems functional states in points

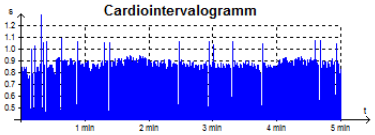
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Normocardia | 0 |
| Regulation stability | |
| Marked heart variability increase-arrhytmia | -2 |
| Vegetative homeostasis | |
| Moderate predominance of sympathetic system | 1 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Normal activity of central regulation levels | 0 |

**ECG (II lead)**




**Cardiointervalogramm**




**General parameters of the heart rate variability**

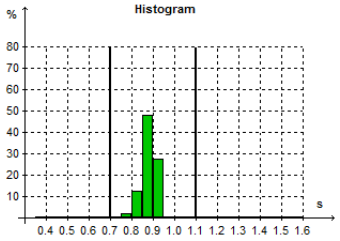
| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 68 | 60 - 75 |
| Standard deviation (SDNN), ms | 34.0 | 30 - 69 |
| Coefficient of variation (CV), % | 3.9 | 3 - 12 |
| Stress index (SI), comp.un. | 148 | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.2 | 0.9 - 2.0 |
| IARS, comp.un. (1, -2) | 3 | 1 - 3 |
| Nr. of arrythmias (NArr), % | 4.7** | 0 - 0.5 |
| Performance HF, % | 46.2* | 20 - 39 |
| Performance LF, % | 32.8 | 15 - 39 |
| Performance VLF, % | 21.1 | 15 - 39 |
| TP, ms$^2$ | 1001 | 1000 - 2000 |

**Conclusion**

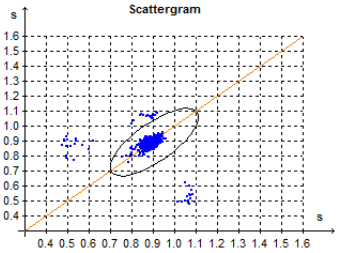
You are currently in good functional condition. But the system of regulation of working with some tension. In response to any stress factor arises functional tension that you still can cope quite well. To maintain a good functional status is recommended that you reduce the psycho-emotional stress, to establish a normal diet, to pay serious attention to the regulation of sleep. Necessary for the correct relationship between workload, rest and regular exercise of physical culture and sports. Try to eliminate or reduce existing risk factors. After that retest.

You need cardiologist consultation (arrythmias > 4%)

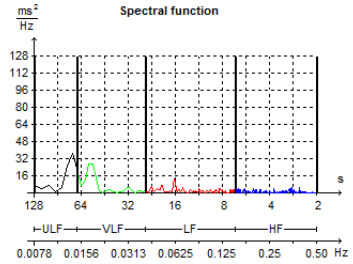
**Histogram**




**Scattergram**




**Spectral function**



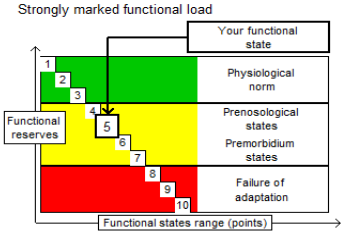
# Last phase of cancer - metastaze – treatment by drugs

***Kopøiva Zbynik*** # 135

Date and Time: 27.09.2011 14:50
Age: 55.0 Sex: male
Address:

**Functional state estimation**

Strongly marked functional load

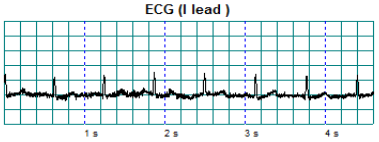



Ladder diagram of states - estimation of regulatory systems functional states in points

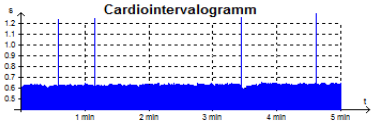
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Heart rhythm stability increase | 1 |
| Vegetative homeostasis | |
| Normal vegetative balance | 0 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| Moderate decrease activity of central regulation levels | -1 |

**ECG (I lead )**




**Cardiointervalogramm**



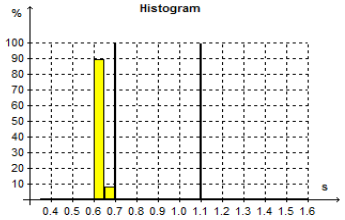

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 94** | 60 - 75 |
| Standard deviation (SDNN), ms | 29.3* | 30 - 69 |
| Coefficient of variation (CV), % | 4.6 | 3 - 12 |
| Stress index (SI), comp.un. | 112 | 70 - 150 |
| Index of centralization (IC), comp.un. | 1.6 | 0.9 - 2.0 |
| IARS, comp.un. (4, -1) | 5* | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.8* | 0 - 0.5 |
| Performance HF, % | 38.9 | 20 - 39 |
| Performance LF, % | 51.1* | 15 - 39 |
| Performance VLF, % | 10.0* | 15 - 39 |
| TP, ms² | 1181 | 1000 - 2000 |

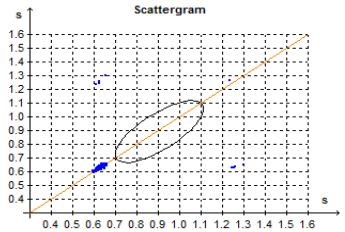
**Conclusion**

Your functional status requires serious attention. It is characterized by very high activity of regulatory systems that appear to be associated with decreased functional reserves, frequent and prolonged stress and stress. You are encouraged to pay serious attention to their health. Requires mental unloading, labor constraints and loads of physical exertion proper organization of work and rest, good nutrition. It is recommended in case of complaints of feeling unwell seek medical attention. It is advisable to repeat the survey after the health and preventive measures.

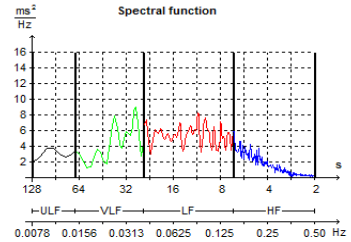
**Histogram**




**Scattergram**




**Spectral function**

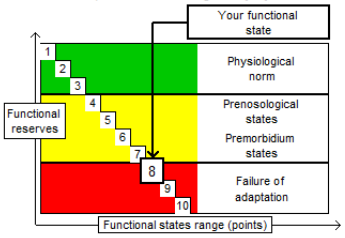



***Kopøiva Zbynik*** # 135

Date and Time: 15.11.2011 14:46
Age: 55.0 Sex: male
Address:

**Functional state estimation**

Moderate impairment of the regulatory systems

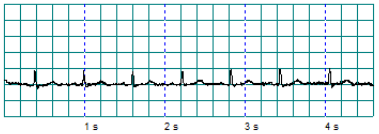



Ladder diagram of states - estimation of regulatory systems functional states in points

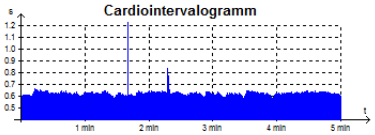
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Moderate vascular centre activity increase | 1 |
| Centralization of control rate | |
| High activity of central regulation levels | 1 |

**ECG (I lead )**




**Cardiointervalogramm**



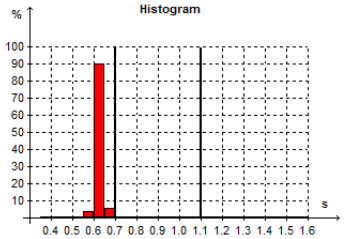

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 95** | 60 - 75 |
| Standard deviation (SDNN), ms | 15.7** | 30 - 69 |
| Coefficient of variation (CV), % | 2.5* | 3 - 12 |
| Stress index (SI), comp.un. | 371** | 70 - 150 |
| Index of centralization (IC), comp.un. | 3.3* | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.0 | 0 - 0.5 |
| Performance HF, % | 23.3 | 20 - 39 |
| Performance LF, % | 47.7* | 15 - 39 |
| Performance VLF, % | 29.0 | 15 - 39 |
| TP, ms² | 253** | 1000 - 2000 |

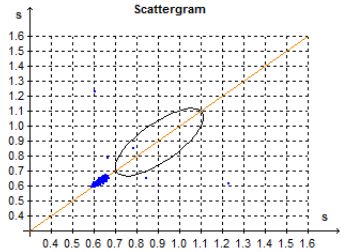
**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.

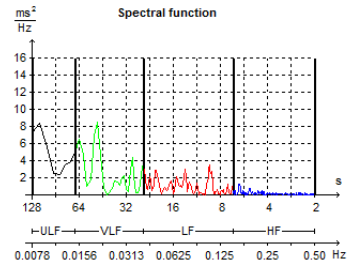
**Histogram**




**Scattergram**




**Spectral function**



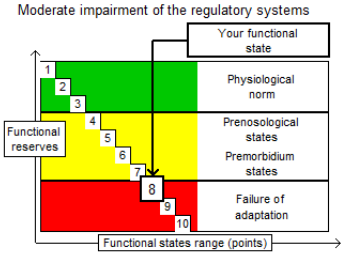
10 days before death

***Kopøiva Zbynik*** # 135

Date and Time: 22.12.2011 13:45
Age: 55.0 Sex: male
Address:

**Functional state estimation**

Moderate impairment of the regulatory systems

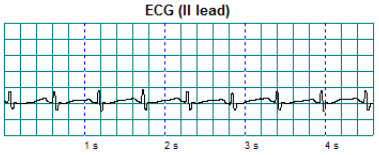



Ladder diagram of states - estimation of regulatory systems functional states in points

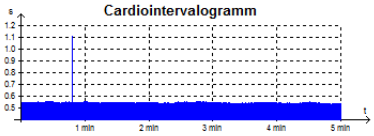
**Estimation of the regulatory systems activity**

| | |
|---|---|
| Functional maintenance level | |
| Marked tachycardia | 2 |
| Regulation stability | |
| Marked heart rhythm stability increase | 2 |
| Vegetative homeostasis | |
| Marked predominance of sympathetic system | 2 |
| Activity of sympathetic cardiovascular centre | |
| Normal activity of vascular centre | 0 |
| Centralization of control rate | |
| Marked increase of activity of central regulation levels | 2 |

**ECG (II lead)**




**Cardiointervalogramm**



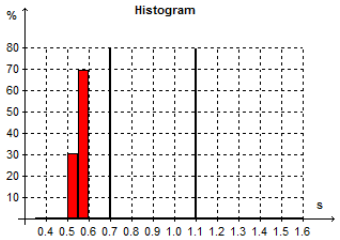

**General parameters of the heart rate variability**

| Name | Value | Norm |
|---|---|---|
| Heart rate (HR), bpm | 109** | 60 - 75 |
| Standard deviation (SDNN), ms | 5.1** | 30 - 69 |
| Coefficient of variation (CV), % | 0.9* | 3 - 12 |
| Stress index (SI), comp.un. | 2161** | 70 - 150 |
| Index of centralization (IC), comp.un. | 6.0** | 0.9 - 2.0 |
| IARS, comp.un. (8, 0) | 8** | 1 - 3 |
| Nr. of arrythmias (NArr), % | 0.2 | 0 - 0.5 |
| Performance HF, % | 14.2* | 20 - 39 |
| Performance LF, % | 26.5 | 15 - 39 |
| Performance VLF, % | 59.3* | 15 - 39 |
| TP, $ms^2$ | 18** | 1000 - 2000 |

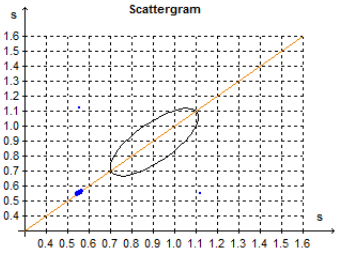
**Conclusion**

Your condition indicates depletion of regulatory systems. This means that your health is in danger. You experience a long or high levels of stress, perhaps sharpened your chronic illness. You need to consult a physician. You are advised to undergo a medical examination and treatment. After this well-organized rest (preferably in a sanatorium). Pay close attention to the regulation of labor, physical and psycho-emotional stress. It is desirable after the course of treatment and preventive measures repeat the examination.

**Histogram**




**Scattergram**




**Spectral function**

