Wich salt mine do you recommend for speleotherapy?
Interdisciplinary project proposal.

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Introduction
I am a 50-year old patient with chronic respiratory disease. I live in a city and lead a sedentary lifestyle, working in a high-responsibility profession.

Aim
I want to benefit from speleotherapy in a salt mine.

Material and method
I have talked with the pneumologist, but he has told me that there aren’t studies and he was unable to recommend me a salt-mine. I am kindly asking the experts at the Congress to answer – or, if they are unable to presently identify the “ideal” salt mine, I propose a large-scale collaboration to achieve this.

Criteria:
- Easy access to the destination by car or public transport.
- To receive fresh, healthy meals.
- To enjoy quiet time, of relaxation.
- Possibility to meet with the other treatment course participants for hiking, visiting, music-listening / recitals, dancing etc.
- To access the salt mine without having to breathe-in large amounts of exhaust gases.
- To be able to enjoy the pure and salt-saturated air of the salt mine
- Constant removing of the isolating superficial layer grime on top of the salt surfaces.
- The walls should be the salt mine’s natural walls, not concrete walls covered with planks or other such structures.
- The existence of natural methods to purify and refresh the air, proportional with the number of visitors.
- No active mining in therapeutic-oriented salt mines.
- Kinesiotherapy, Tai Chi, pleasant games/sports, quiet places and/or auditorium etc.
- Being free to spend my time at my own leisure, while at the same time knowing that it is a safe, controlled and well-studied environment, and that the therapeutic trials had positive results.
- To be able to exit without stress or overcrowding/bottlenecking. Knowing that there are several ways to exit the salt mines.
- To be a pleasant experience, with therapeutic consequences – not a sort of “bitter pill”.
- To make me want to come back again.

Conclusions
What would be your recommendation?
When and how will the existing ones be put to good use?
This is an invitation to collaborate. Thank you!

Key words: natural and therapeutic factors, salt mine

Introduction. Scenario.
Occasionally, I have heard that salt-mine therapy would be useful (1) (2) and I saw some images on the internet. I have discovered that salt mine therapy is a complex therapeutic influence on persons which deliberately descend in salt mines to benefit from the special underground environment, especially of the saline aerosols on the respiratory apparatus.

I am a 50-year old patient with chronic respiratory disease. I live in a city and lead a
sedentary lifestyle, working in a high-responsibility profession. I have decided to take better care of myself, to make a change towards the better, to counter the unpleasant symptoms and improve my quality of life.

**Aim**

I want to benefit from speleotherapy in a salt mine. I hope to achieve an improvement regarding the coughing, an easier elimination of the sputum, to get used to effort again and improve my dyspnoea. If I will achieve these objectives, I will be “a new person”. I am not a smoker, but being affected by the pollution of the city (air and sound), passive smoking in public spaces, meetings etc. is unavoidable. In the salt mine I will get away from all of this.

**Material and method**

I have talked with the pneumologist, but he has told me that there aren’t studies and he was unable to recommend me a salt-mine. I am kindly asking the experts at the Congress and of this Balneo Research Revue to answer – or, if they are unable to presently identify the “ideal” salt mine, I propose a large-scale collaboration to achieve this.

There is a great number of people in Romania who want to know what they can expect from a salt-mine treatment course, and need to be taught how they can directly benefit from the underground climate.

I hope to find a town or a village with a salt mine for touristic and medical purposes, which will fulfil the following **Criteria**:

- Easy access to the destination by car or public transport.
- To receive fresh, healthy meals.
- To enjoy quiet time, of relaxation (Fig. 1).

I consider too that relaxation represent a way to access miraculous (self) healing resorts and it is entering an intermediate state of consciousness induced by different methods of relaxation.

Mild, superficial meditation.

Fig. 1. Rest. Our therapeutic group in Cacica salt mine, Suceava County, Romania.

- Possibility to meet with the other treatment course participants for hiking, visiting, music-listening / recitals, dancing etc.
- To access the salt mine without having to breathe-in large amounts of exhaust gases.
- To be able to enjoy the pure and salt-saturated air of the salt mine

- Constant removing of the isolating superficial layer grime on top of the salt surfaces.
- The walls should be the salt mine’s natural walls, not concrete walls covered with planks or other such structures (Fig. 2).

Fig. 2. The first-author with a colleague in a salt mine chamber without salt, in another country, October 2014.
- The existence of natural methods to purify and refresh the air, proportional with the number of visitors.
- No active mining in therapeutic-oriented salt mines.

- Kinesiotherapy (Fig. 3), Tai Chi, pleasant games/sports, quiet places and/or auditorium etc.

Speleo-kinesiotherapy - the therapeutic qualities of the microclimate from salt mines associated with physical activity, spontaneously or in an organized manner (3).

About exercise as a treatment for inflammation, I know that (4):
- Regular physical activity is reported to decrease markers of inflammation.
- Long-term chronic training may help reduce chronic low-grade inflammation.
- Low-intensity training can reduce resting pro-inflammatory markers (CRP, IL-6).
- There is a strong relationship between exhaustive exercise and chronic low-grade inflammation.

As such, individuals pursuing exercise as a means to treat the other factors behind chronic inflammation may wish to balance their exercise protocol with bouts of low-intensity training, while striving to avoid chronic over-exertion.

There are many studies evidence-based medicine for kinesiotherapy, even in my region (5) (6).

- Being free to spend my time at my own leisure, while at the same time knowing that it is a safe, controlled and well-studied environment (7), and that the therapeutic trials had positive results (8).

I intend to swim or to benefit from hydro-kinesiotherapy in a salt water pool. I selected from the internet the following images and I shall decide where I shall go (Fig. 4, 5, 6).

To be able to exit without stress (Fig. 7) or overcrowding / bottlenecking. Knowing that there are several ways to exit the salt mines.
I want to go to the church because the sacrotherapy (12) is a powerful therapeutic tool. For example, the patients of Cacica participated in several inter-confessional religious manifestations (Fig. 8). It was like a first step to ecumenism.

Fig. 8. I realised myself a photo in Cacica: St. Varvara Chapel in salt mine (40m). St. Varvara protects the miners.

- I hope that my future speleotherapy in a salt mine will be a pleasant experience (13), with therapeutic consequences – not a sort of “bitter pill”. And to make me want to come back again (14).

Conclusions
- What would be your recommendation for my salt mine speleotherapy?
- When and how will the existing salt mines be put to good use?
- This article is an invitation to collaborate. Thank you!

References