

POSUDEK VEDOUcíHO DIPLOMOVÉ PRÁCE

REPORT OF MAGISTER THESIS

Leadership's name: Doc. PhDr. David Ravník, Ph.D. PT. Eur.Erg.

Student's name: Klara Koudelkova

Title of diploma thesis name:
The influence of woman's mastectomy on breathing movements

Goal of thesis:

The aim of the Klara Koudelkova master thesis work was to determine whether total mastectomy has any influence on a range of breathing movements of thoracic and abdominal wall. Obtained data were compared with breathing movements of the control group - healthy women. Another objective was to determine whether total mastectomy has any influence on the symmetry of the range of motion between the operated and non-operated side of the chest and abdomen during breathing.

Methodology used in the work was optoelectronic kinematic analyzer Qualisys to measure range of motion of thoracic and abdominal wall during breathing. All the subjects participated were also kinesiologicaly examined.

Important findings were those total mastectomies have an effect on range of breathing motion. The side of surgery has influence on asymmetry and lower range of motion during breathing. The biggest asymmetry appeared in the third line level of the fifth rib, where also a scar has been found. The outcome of the work is that the scar therapy is very important for women after mastectomy.

1. Volume:

* pages of text	69 (104 with all attachments)
* literature	78
* tables, graphs, appendices	21 pictures, 20 diagrams, 9 tables, 13 attachments

2. Seriousness of topics:

	above average	average	under average
* theoretical knowladges	0		
* input data and their processing	0		
* used methods	0		

3. Criteria of thesis classification

	degree of evaluation			
	excellent	very good	satisfactory	unsatisfactory
degree of aim of work fulfilment	0			
independence of student during process of thesis	0			
logical consttruction of work	0			
work with literature and citations	0			
adequacy of used methods	0			
design of work (text, graphs, tablels)	0			
stylistic level	0			

4. Usefulness of the thesis outcomes: under average average

5. Comments and questions to answer:

The work is highly above the average, very professional and the findings have importance in the field of rehabilitation in the treatment of patients after brest removal. Student has demonstrated considerable independence, sovereignty,

and has been very successful in integration of theoretical knowledge with practical skills. Without the use of additional superlatives I recommend master thesis for its defense and the work can be assessed with the highest grade – »excellent«.

At the master thesis defense student shall explain the therapeutical outcomes of important findings (preventive and curative approach).

6. Recommendation for defence:

YES	NO
-----	----

7. Designed classificatory degree

excellent (A or 1)

according defence

Date: 30.04.2015

signature of the leadership