

REPORT OF BACHELOR THESIS - opponent

Opponent's name:

Mgr. Markéta Mikulášová

Leadership's name:

Doc.PaedDr.Dagmar Pavlu.CSc

Student's name:

Abdulelah Almuhsin

Title of diploma thesis:

Case Study of Treatment of a Patient after Rheumatoid Arthritis

Goal of thesis:

The goal of this thesis is to discuss the clinical finding and rehabilitation of a patient with a Rheumatoid Arthritis and to take a glance on the overview classification of the disease, the physiological and pathological part, also to implant the theories of the treatment and care of such patients.

1. Volume:

* pages of text	141
* literature	21 (average 18 years old, median 16 years old!)
* tables, graphs, appendices	16, 0, 6

2. Seriousness of topics:

	above average	average	under average
* theroretical knowladges			x
* input data and their processing			x
* used methods		x	

3. Criteria of thesis classification

	evaluation			
	excellent	very good	satisfactory	unsatisfactory
depth of analysis of thesis				x
logical constutruction of work			x	
work with literature and citations				x
adequacy of used methods			x	
design of work (text, graphs, tablels)			x	
stylistic level				x

4. Usefulness of the thesis outcomes:

under average	average
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5. Comments and questions to answer:

I appreciate the student's work with the patient, the individual approach to patient. He asked a lot of questions, which I appreciate too.

*Questions: 1. Which other methods you could use to improve posture and strengthen the deep stabilization system?
2. Did you focus on gait while working with the patient?*

3. Explain the results of the muscle test: which methodology did you use? How do you explain, that the abdominal muscles are degree 8-10 and other muscles 4-5? (pg. 56, pg. 113)

4. Could you explain, why the chapter 2.1.9.1 Ultrasound Imaging of RA (prognosis of disease) contains MRI and methotrexate. MRI is not in the List of abbreviations.

Not well adjustment of theses: pg. 5 Revamatologicky Ustav, instead of Revmatologický ústav (and below in the text)

-often gaps before comma, for example, in the chapter 2.1.8 Pathophysiology of joint inflammation in rheumatoid arthritis, pg. 12

-sometimes does not fit image labels (pg. 16, 17) - it is different in the printed and electronical version!, overall text editing: pg. 22-29,

-frequent typos in the text

ISBN is missing in Bibliography

General Part (pg. 6-17) without images has 3,5 pages (Times New Roman 12, distance between lines 1,5). Is it insufficient.

2.1.9.1 Ultrasound Imaging of RA (pg. 15, 16) involves MRI (magnetic resonance imaging? -it is not in List of abbreviations) and methotrexate ??

In my opinion in the General Part should be a different structure of chapters, more information about patophysiology and, especially, about pharmacological therapy - there is not anything about e.g. biological treatment.

Recommendations for general part: Find recent review to see a basic structure and information about RA.

Possible chapter structure: 1.Definition

2. Pathogenesis (genetic, environmental, immunology)

3. Clinical findings

4. Diagnosis + classification (4.1 criteria seropositive, seronegative, 4.2 Laboratory, X-ray, ultrasound)

5. Treatment (farmacological, non-farmacological)

6. Recomendation for defence:

YES	NO
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7. Designed classificatory degree

D - unsatisfactory

according defence

Date: 30.4. 2019

signature of the oponent

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Special Part

Chapter Methodology (pg. 30)contains only 12 lines of text, no details.

3.3.12 Muscles strength test - Methodology is missing. It is not apparent which manual muscle testing were used. Most of the muscles is degree 5 or 4, but the abdominal muscles are 8 -10 degree. It is a bit surprising. (pg 56)

I appreciate the exercise units (the student worked with all of the affected body parts), but more exercises for deep stabilization system might be included, also another posture exercise and gait training is missing, although in Long and Short Therapeutic plan the Gait and posture are involved. There are only „Sensomotoric exercises over balanced ball, with both open and close eyes, for 1 minute, repeated 3 times.“ (pg. 76, 84, 87).