

Journal Club - Lesehilfe: Mittwoch - Prof. Schad

**1. General information**

- a. In which journal was this study published and when?
- b. What is the affiliation of the authors?
- c. Was there any additional source of funding?

**2. Abstract**

- a. What is the motivation of the study?
- b. What is the aim of the study?
- c. Which methods are used?
- d. What are the results?
- e. What is the conclusion?

**3. Introduction**

- a. What is the big question/problem in this research field?
- b. What is the specific question/problem that this study tries to tackle?
- c. What is the research “gap” (compared to the current state-of-the-art) that this study wants to fill?
- d. How do the authors plan to answer the specific question?

**4. Methods**

- a. Was any special theoretical foundation used?
- b. What equipment was used (e.g. hardware: scanner; software: sequence technique)?
- c. Simulations
- d. Phantoms

- e. Volunteers
- f. Patients
- g. Data processing, model fitting, statistics

## **5. Results**

- a. Simulations
- b. Phantoms
- c. Volunteers
- d. Patients

## **6. Discussion**

- a. What are the most important results according to the authors?
- b. How are the results interpreted by the authors?
- c. How are the results/interpretations related to other studies?
- d. What are the limitations of the study according to the authors?
- e. What is the claimed future perspective of the study?

## **7. Conclusion**

- a. What is the claimed relevance of this study?