



Image-thon Case Report Guidelines



In medicine a case report summarizes novel or unusual clinical occurrences as a case study for educational purposes. A case report is the description of the case and includes the patient demographics, clinical history and symptoms, examination results including imaging findings and interpretations, treatment plan, and the outcome of the treatment.

Here we will use case reports to systematically review concepts of Cardiac MRI in a practical manner. Please refer to the two resources below for more details on how to write a case report. Follow the guideline and the resources provided to complete the case report Capstone Project.

Resources:

1. [Sun Z. Tips for writing a case report for the novice author. J Med Radiat Sci. 2013 Sep;60\(3\):108-13.](#)
2. [Grapsa J. How to Write Your First Clinical Case Report. JACC Case Rep. 2022 Nov 2;4\(21\):1456-1458.](#)
3. [JACC: Case Reports: How to Write a Case Report | Webinar. American College of Cardiology. May 15 2019. Youtube](#)

General Guide:

1. Title:

- Provide a concise and informative title that reflects the content of the case study.

2. Introduction:

- Introduce the purpose of the case study.
- Briefly describe the importance of cardiac MRI in clinical practice.
- State the objectives of the case study.

3. Patient History:

- Provide relevant patient demographic information (age, gender, etc.).
- Summarize the patient's medical history, including any relevant comorbidities or previous medical interventions.

4. Clinical Presentation:

- Describe the patient's symptoms, complaints, and reasons for seeking medical attention.

- Explain the context that led to the decision to perform a cardiac MRI.

5. Imaging Technique:

- Detail the specific cardiac MRI sequences and protocols used for the study.
- Mention the MRI scanner's parameters (field strength, coil, etc.).
- If contrast agents were used, provide information about the contrast agent type and dose.

6. Imaging Findings:

- Present the results of the cardiac MRI examination.
- Include both anatomical and functional findings, such as cardiac chamber sizes, myocardial thickness, ejection fraction, etc.
- Use clear, concise language and, if applicable, provide measurements and relevant quantifications.
- Include images or image series that illustrate the findings.

7. Discussion:

- Interpret the cardiac MRI findings in the context of the patient's clinical presentation and history.
- Compare the findings to normal values or expected ranges.
- Discuss any abnormalities, potential differential diagnoses, and the significance of the findings.
- If relevant, provide a literature review to support your interpretations.

8. Diagnosis and Assessment:

- State the final diagnosis based on the clinical history, presentation, and imaging findings.
- Discuss the impact of the diagnosis on patient management and treatment decisions.

9. Management and Follow-Up:

- Describe the recommended or performed medical interventions, treatments, or follow-up plans based on the cardiac MRI results.
- If necessary, discuss the rationale behind the chosen approach.

10. Conclusion:

- Summarize the key points of the case study, including the diagnosis and management.
- Emphasize any unique or important aspects of the case.

11. References:

- Provide citations for any external sources, research papers, guidelines, or textbooks you used to support your case study.

12. Acknowledgments (if applicable):

- Acknowledge any individuals who contributed significantly to the case study, including technicians, clinicians, and researchers.

Remember to maintain patient confidentiality and adhere to ethical guidelines while preparing the case study report. Always follow the specific formatting and citation style requirements of the journal or institution you're submitting the report to.

Sample Case Reports:

- A. Syncope in a Young Athlete: <https://scmr.org/page/cases23-01>
- B. Pericardial cyst: <https://scmr.org/page/Cases-22-ZZ-Agarwal>
- C. RVOT Thrombosis: <https://scmr.org/page/Cases22-07-Aggarwal>
- D. Heart Failure: <https://scmr.org/general/custom.asp?page=COW2104-BARITUSSIO>
- E. Systemic Disease: <https://scmr.org/page/COW1904>