

Topic	Item No	Checklist item description	Reported on Page Number/Line Number	Reported on Section/Paragraph
Title	1	The diagnosis or intervention of primary focus followed by the words "case report"	Page 1/Line 1-2	Title/Paragraph 1
Key Words	2	2 to 5 key words that identify diagnoses or interventions in this case report, including "case report"	Page 1/ Line 23	Keywords/Paragraph 1
Abstract (no references)	3a	Introduction: What is unique about this case and what does it add to the scientific literature?	Page 1/ Line 20-22	Abstract/ Paragraph 3
	3b	Main symptoms and/or important clinical findings	Page 1/ Line 13-18	Abstract/ Paragraph 1
	3c	The main diagnoses, therapeutic interventions, and outcomes	Page 1/ Line 18-20	Abstract/ Paragraph 1
	3d	Conclusion—What is the main "take-away" lesson(s) from this case?	Page 1/ Line 20-22	Abstract/ Paragraph 1
Introduction	4	One or two paragraphs summarizing why this case is unique (may include references)	Page 1/ Line 25-31 to Page 2, Line 32-36	Abstract/ Paragraph 1-3
Patient Information	5a	De-identified patient specific information	Page 2/ Line 40-41	Case Description/Paragraph 1
	5b	Primary concerns and symptoms of the patient	Page 2/Line 41-44	Case description/Paragraph 2
	5c	Medical, family, and psycho-social history including relevant genetic information	Page 2/ Line 45- 49	Case description/ Paragraph 2
	5d	Relevant past interventions with outcomes	N/A- no past interventions	N/A- no past interventions
Clinical Findings	6	Describe significant physical examination (PE) and important clinical findings	Page 2/ Line 42-44	Case description/Paragraph 2
Timeline	7	Historical and current information from this episode of care organized as a timeline	N/A- timeline not	N/A- Timeline not
Diagnostic Assessment	8a	Diagnostic testing (such as PE, laboratory testing, imaging, surveys).	Page 2/ Line 52-53, Page 3/ Line 58-67, Page 4-73/ Line 58-67, Page 4-7	Results/ Paragraph 1-3
	8b	Diagnostic challenges (such as access to testing, financial, or cultural)	Page 3/Line 68-80	Results/ Paragraph 4-5
	8c	Diagnosis (including other diagnoses considered)	Page 7/Line 98 -118	Diagnosis of Haemoglobin Agrigente/Paragraph 1-4
	8d	Prognosis (such as staging in oncology) where applicable	N/A- case is no an oncology case	N/A- case is not an oncology case
Therapeutic Intervention	9a	Types of therapeutic intervention (such as pharmacologic, surgical, preventive, self-care)	N/A- no interventions	N/A- no interventions
	9b	Administration of therapeutic intervention (such as dosage, strength, duration)	N/A - no intervention	N/A- no interventions

	9c	Changes in therapeutic intervention (with rationale)	N/A- no interventions	N/A- no interventions
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Follow-up and Outcomes	10a	Clinician and patient-assessed outcomes (if available)	N/A- no follow up	N/A- no follow up
	10b	Important follow-up diagnostic and other test results	N/A- no follow up	N/A- no follow up
	10c	Intervention adherence and tolerability (How was this assessed?)	N/A- no intervention	N/A- no intervention
	10d	Adverse and unanticipated events	N/A	N/A
Discussion	11a	A scientific discussion of the strengths AND limitations associated with this case report	Page 8/ Line 122 -132, Page 9	Discussion/Paragraph 18
	11b	Discussion of the relevant medical literature with references	Page 8/Line 122-130	Discussion/ Paragraph 1-2
	11c	The scientific rationale for any conclusions (including assessment of possible causes)	Page 9/Line 147- Page 10/Line 195	The effects of Haemoglobi Agrigente on laboratory assays/ Paragraph 1-14
	11d	The primary “take-away” lessons of this case report (without references) in a one paragraph conclusion	Page 11/ Line 199 - 207	Conclusion/Paragraph 1-2
Patient Perspective	12	The patient should share their perspective in one to two paragraphs on the treatment(s) they received	N/A - no treatments	N/A- <input type="checkbox"/> treatments
Informed Consent	13	Did the patient give informed consent? Please provide if requested	Yes <input checked="" type="checkbox"/>	No

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*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.