

Obstetric Outcomes and Effects from COL6A3-Associated-Bethlem Myopathy: A Case Report

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Background: Muscular myopathies affect various aspects of a patient's life, and have even been implicated in impacting a patient's obstetric experience as well. Research on this topic is quite limited though, as studies examining this topic are currently scarce. Multiple papers have documented variable effects of different muscular pathologies on pregnancy, including adverse effects on neonates as well such as intrauterine growth restriction and congenital malformations, yet no study has been done outlining this process for Bethlem Myopathy patients. Bethlem Myopathy remains a difficult disease to manage for patients who aim to or are pregnant, requiring further investigation to be conducted to bridge this gap to benefit patient outcomes and concerns.

Case Description: The case report was conducted through a retrospective chart review on a patient who has Bethlem Myopathy with many biological children, along with interviewing the patient in question on obstetric and disease factors not included or detailed in the chart. The patient despite having Bethlem Myopathy has had a range of pregnancies and children. Symptoms and complications were tracked throughout each one and reviewed with the patient, providing data into how pregnancy and childbirth affect obstetrics with this condition.

Conclusion: Bethlem Myopathy remains a challenging condition to navigate for patients, but with the data on pregnancy and outcomes provided through this study, these patients can make more educated and knowledgeable decisions to provide the most benefit for them and their families.

Keywords: Obstetrics, Nerveopathy, Childbirth, Genetics, Outcomes
