Recurrent MPVFD in a patient with Polymyositis

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Polymyositis (PM) is an immunologically mediated inflammatory condition of skeletal muscles characterised by progressive proximal muscle weakness. Auto antibodies, especially anti Jo-1 are identified in 80% of patients. PM is associated with increased incidence of spontaneous miscarriage, intrauterine death (IUD), preterm delivery, intrauterine growth restriction (IUGR) and neonatal mortality.

Massive perivillous fibrin deposition (MPVFD) is a condition of unknown etiology but possibly autoimmune mediated since many cases are associated with autoimmune disease. Autoimmune antibodies possibly damages the trophoblast or/and interferes with anticoagulation mechanisms protecting the intervillous blood flow, thus allowing the accumulation of intervillous fibrin.

There are 6 cases described in the literature of MPVFD associated with PM, all patients but this one had a single pregnancy. All cases but one (the second baby of this mother) resulted in miscarriage or IUD.

References

