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Antiphospholipid syndrome and its role in pediatric cerebrovascular diseases: A literature review

Beata Sarecka-Hujar, Ilona Kopyta

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Antiphospholipid syndrome (APS) is rare in **children**, and evidence-based guidelines are sparse. Consequently, management is mostly based on observational **studies** and **physician's** experience, and ...

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Keywords: **antiphospholipid syndrome**, **cerebrovascular disease**, anticardiolipin antibody, β 2 glycoprotein –I, lupus anticoagulant, thrombosis Potential Mechanisms of Neurologic Dysfunction in APS **Antiphospholipid syndrome (APS)** is a systemic autoimmune condition characterized by

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Cerebrovascular Disease in Pediatric and Adult APS Studies Conflicting data on associations between various types of **aPLA** or **LAC** and strokes may be due to study methodologies. Some studies included only baseline **aPLA testing**, did not include **LAC testing**, enrolled patients that would not currently meet **APS classification** criteria or did not assess **aPLA/LAC** at times of neurological events.

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Antiphospholipid syndrome (APLS) is a rare **syndrome** mainly characterized by several **hyper-coagulable complications** and therefore, implicated in the operated **cardiac surgery patient**. **APLS** comprises clinical features such as arterial or venous thromboses, **valve disease**,...

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APS may occur in the context of another **autoimmune disease (secondary APS)**, or may be a primary **APS**. In rare circumstances, **APS** is defined as catastrophic due to an accelerated form of multiorgan failure, for an uncontrolled thrombosis [5]. **Addison's disease** is reported in 0.4% of patients with

Antiphospholipid Syndrome

Medical Condition

An autoimmune disorder which affects the normal proteins in the blood



- Purplish skin discolouration
- Swelling of limb
- Pain especially in the chest

An autoimmune disorder in which the immune system attacks the normal proteins in the blood.

Rare (Fewer than 200,000 cases per year in US)

Requires lab test or imaging

Treatments can help manage condition, no known cure

Can last several years or be lifelong

Caused when the immune system produces abnormal antibodies called antiphospholipid antibodies. Symptoms include blood clots in legs, lungs and recurrent miscarriages. Treatment mainly includes use of blood thinners to reduce the blood clots.