

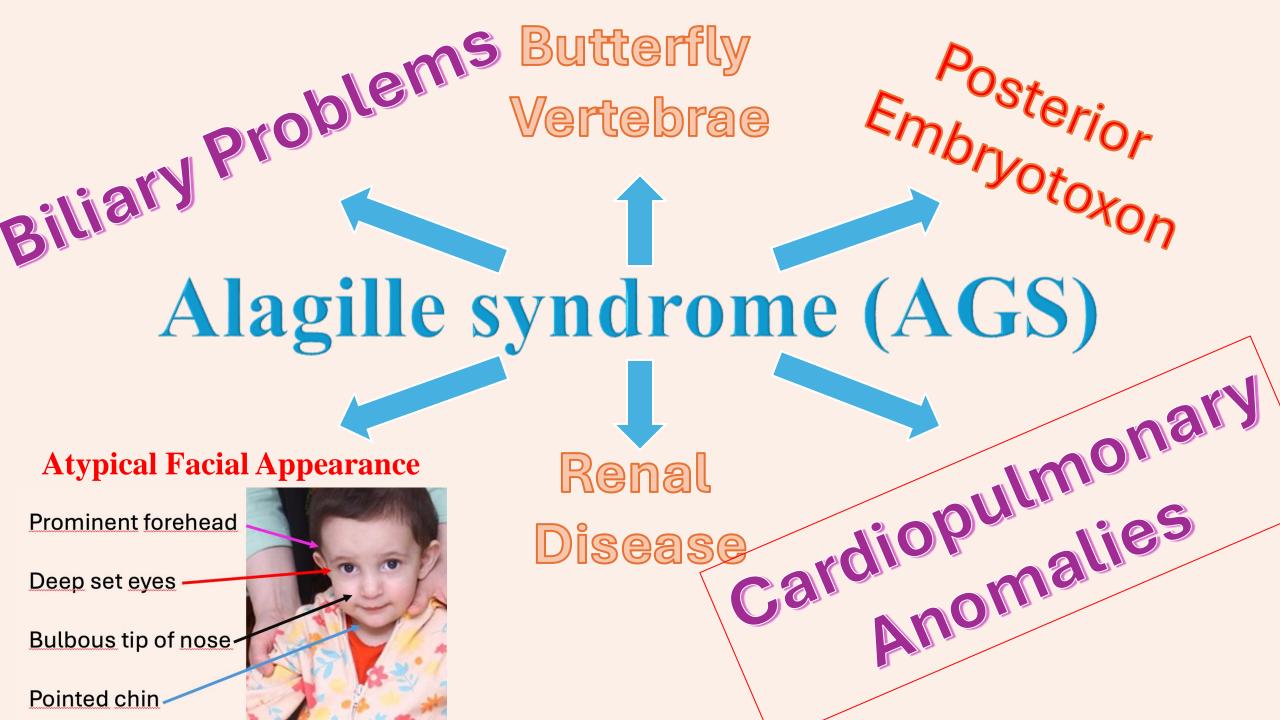
Outcomes of Liver Transplantations in Patients with Alagille Syndrome with high Pulmonary Arterial Pressure Performed in Our Center

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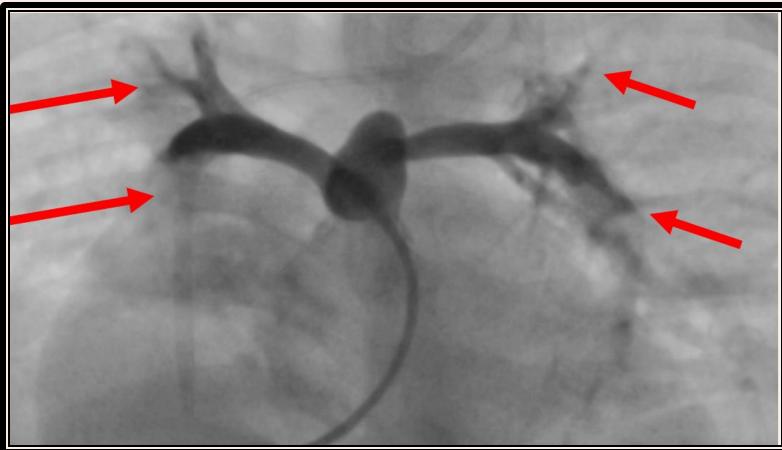
INTRODUCTION

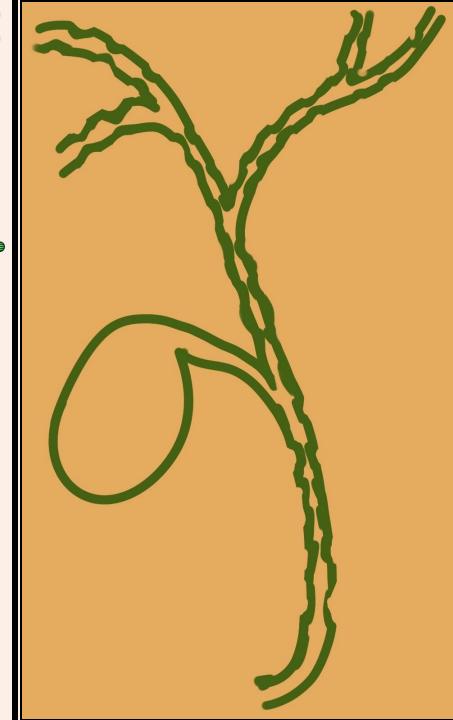
Alagille syndrome (AGS) is an **autosomal recessive** disorder with multisystemic involvement. Patients with Alagille syndrome are accompanied by many anomalies such as atypical facial appearance, posterior embryotoxon, butterfly vertebra, **cardiac anomalies**, and **biliary problems**.

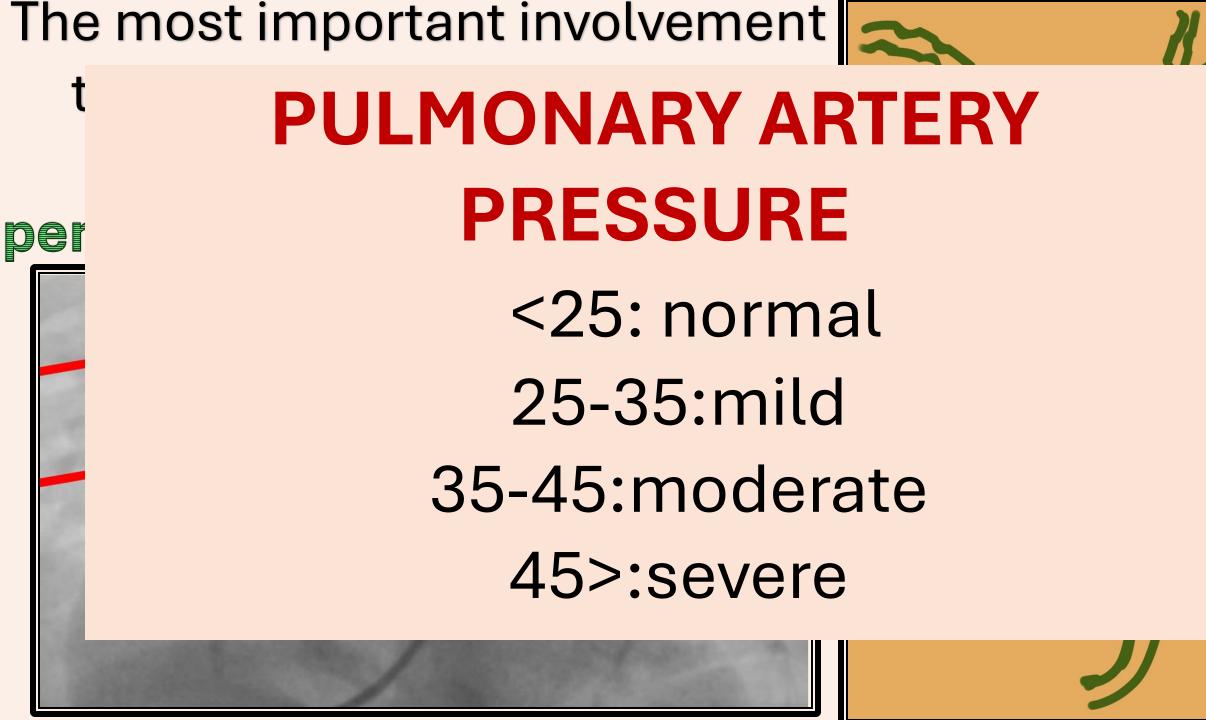
Cardiac anomalies make intraoperative and postoperative patient management **difficult in patients requiring liver transplantation.** In this study, we present 10 cases of liver transplantation due to Alagille syndrome.



The most important involvement that determines mortality is bile duct deficiency and peripheral pulmonary stenosis.









PARAMETERS

745 liver transplant

366 pediatric, 379 adults

10 pediatric patients had alagille syndrome

Morpohological findings,

Cardiopulmonary pathology

Perioperative complications

RESULTS

8/10 Patients: Peripheral Pulmonary Stenosis

The Highest Right Ventricular Pressure: 110mmHg

2/8 Patients: Preoperative Pulmonary Angioplasty

0 Patient: Perioperative Complications

0 Patient: Early Mortality

CONCLUSION

- Since it has multisystemic involvements, it should be evaluated multidisciplinary. (*anesthesia*, *cardiology, nephrology, gastroenterology, surgery...*)
- 2. All patients should first be evaluated with echocardiography.
- 3. Cardiac anomalies should be determined, and **pulmonary catheterization** should be performed if necessary.
- 4. Intraoperative volume balance should be closely monitored (especially in the anhepatic phase).