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Thesis Title	EFFECT OF AGE AT DIGNOSIS AND DEFECT SIZE SYSTOLIC PLUMONARY ARTERY PRESSURE IN PATIENTS WITH CONGENITAL ISOLATED ATRIAL SEPTAL DEFECT	
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Abstract	Background:Pulmonary arterial hypertension (PAH) is a major complication of atrial septal defect (ASD) and can be responsible for significant functional limitations and early mortality. Various factors have been shown to predispose ASD patients to the development of PAH.Aim of study: Our study aimed to determine the association between the size of the ASD, the age of the patient and the increase in pulmonary artery systolic pressure (PASP).Methods: Data from 100 ASD patients was prospectively reviewed, including the patients' presenting symptoms, vital parameters, comorbidities, as well as their preoperative diagnostic workup.Echocardiography findings were used to determine the type and size of the ASD, and pulmonary artery pressures were evaluated using tricuspid regurgitation velocity as assessed by echocardiography. All patients underwent ASD repair either surgically or via percutaneous 	

\leq 0.05). Similarly, with every increase of one year in age, pulmonary
artery pressure increased by 0.24mmHg ($p \le 0.02$). A small defect (less
than 0.5 cm in diameter) is associated with a small shunt and the
significant sequels appearing in old age. A larger defect (more than 2
cm in diameter) associated with a large shunt and the significant
sequels appearing in younger age. No significant postoperative
complications were reported following both types of repair.
Conclusions:
Our study concludes that ASD patients are at greater risk of
developing PAH with
Increasing age and increasing ASD size. This can potentially help to
determine which ASD patients are at greater risk and require urgent
repair of their defects. The study also shows that early repair is best to
prevent complications.