**FICHE DE RESUME**

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| TITRE | **LEFT ISOMERISM : A RARE CASE OF TOTAL ANOMALOUS SYSTEMIC VENOUS DRAINAGE TO THE LEFT ATRIUM. INAUGURAL CASE DECRIBED IN AFRICA AT FANN UNIVERSITARY HOSPITAL IN DAKAR.** |
| AUTEURS | **DIOP I.B., KAYA M., DIOUF K., DIOP H.B., BA K., TINE E., DIEYE O. BA DIOP S..** |
| ADRESSE | CHU FANN CARDIOLOGIE DAKAR SENEGAL |
| RESUME | INTRODUCTION : We report the first described case to our knowledge in Africa of a rare case of left atrial isomerism with late presentation of Total anomalous systemic venous drainage (TASVD) to the left atrium. TASVD is an exceptional form of congenital heart disease, wherein all systemic venous flow, drain into the left. We describe a patient of this rare entity. Surgical implications are also discussed.  CASE REPORT  A 30-year-old girl was admitted to our Department for severe cardiac failure with cyanosis with a 15l/min delivered nasal oygen saturation of 79%. Weight was 65 kg Height: 168 cm (BMI=23). At admission BP: 84/67mmHg, HR:137 beats/min, temperature T: 36C. Echocardiography revealed left atrial isomerism, TASVD with the two vena cava draining to the left atrium. Pulmonary veins seen also draining to the LA. Multiperforated aneurysm of the interatrial septum was found and dilatation of the left cardiac chambers with severe decrease LV EF (29%). The ventriculo-arterial connections were concordant. There was Moderate MR and TR. These Findings were confirmed by computerized tomography (CT) scan which shows bilateral pleural effusion. Under aggressive treatment of heart failure the patient condition drastically improved and is now waiting for surgery.  DISCUSSION  Diagnosis in our patient was left isomerism which is a complex heterotaxy with severe cardiac malformation. The association with TASVD is rare and in the world only 14 cases have been described. In Africa it seems to our knowledge to be the first case in the littérature.  The complexity of the malformation explained late diagnosis leading to severe complications. Our patient should undergo biventricular repair via an atrial septation and a baffle, which routed venous drainage to appropriate ventricles.  **Keywords:**Heterotaxy syndrome, left isomerism, total anomalous systemic venous drainage |