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Imaging on: Transplantation of Kidney

Payal Patel*

Department of Health Science and Radiology, University of Botswana, Botswana

Image Article

The first and most common organ to be transplanted is the kidney. In spite of advances in transplantation technology and surgical methods complications do occur and if untreated may result in catastrophic outcomes. Vascular complications of renal transplantation include, but are not limited to Pseudoaneurysms, arteriovenous fistula, renal artery, vein stenosis and thrombosis. urologic (for instance leaks and obstructions in the urinary tract as well as peri-transplantation fluid collections like hematoma, seroma, lymphocele, abscesses and Nephrogenic including graft rejection, acute tubular necrosis, chronic allograft nephropathy and neoplasm.

Figure 1: Image of kidney transplantation.

Preventing graft failure and other significant patient complications necessitates prompt diagnosis and treatment of these complications with minimally invasive percutaneous methods [1,2]. Radiology plays a crucial role in the diagnosis and treatment of these complications. The anatomy of renal transplantation a wide range of possible complications following renal transplantation surgery, typical imaging appearances of these complications on a variety of imaging modalities and percutaneous interventional techniques utilized in their treatment (Figure 1).

References

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***Corresponding author:** Payal Patel, Department of Health Science and Radiology, University of Botswana, Botswana, E-mail: Payal_p@gmail.com

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