



21387-Review

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SIMILARName of Journal: *World Journal of Radiology*

ESPS Manuscript NO: 21387

Manuscript Type: REVIEW

**1** Three-dimensional imaging of the uterus: the value of the coronal plane

Lufee Wong, Nikki White, Jayshree Ramkrishna, Edward Araujo Júnior,  
Simon Meagher, Fabricio Da Silva Costa

**Abstract**

Advent in 3D imaging technology has seen 3D ultrasound establish itself as a useful adjunct complementary to traditional 2D imaging of the female pelvis. This advantage largely arises from its ability to reconstruct the coronal plane of the uterus, which allows further delineation of many gynecological disorders. 3D imaging of the uterus is now the preferred imaging modality for assessing congenital uterine anomalies and intrauterine devices.

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Objective To estimate the **value** of MRI in the diagnosis of congenital **uterine** anomalies. ... of **three-dimensional** ultrasound **coronal plane imaging** of congenital **uterine** ... Results 3D **coronal plane** showed clear stereoscopic view of the **uterine** ...

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Conclusions Transvaginal 3D US image of **uterine coronal plane** may provide ... Results The **rate** of satisfactory **imaging** is 96.6% ,the accuracy of diagnosing ...

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specificity and predictive **values** were higher for 3D TVS compared to 2D TVS or HSG but comparable to both techniques combined. ... the ability to register all three **imaging** planes ... Figure 1. 3D Ultrasound of normal Uterus – Coronal Plane.

### Three-dimensional ultrasound in the diagnosis of Müllerian ...

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Objectives To demonstrate the **value** of **three-dimensional**. (3D) ultrasound in the ... magnetic resonance **imaging** (MRI) and **three-dimensional**. (3D) ultrasound..... tracing the **sagittal curve plane** of the **uterine** cavity so that the line was located ...