

**Usefulness of prenatal MRI examination in the differential diagnosis
of fetal congenital cystic adenomatoid malformation and
bronchopulmonary sequestration**

Short Title: MRI for CCAM and BPS

Zhi Li, Yi-Dan Lv, Rong Fang, Xu Li, Zhi-Qin Luo, Ling-Hong Xie, Ling Zhu

Abstract

BACKGROUND

2 Congenital cystic adenomatoid malformation (CCAM) and bronchopulmonary

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Keywords: fetal magnetic resonance imaging, fetal mri, congenital cystic adenomatoid malformation, ccam, fetal lung mass, differential diagnosis Introduction Fetal lung masses are thought to occur in one out of every 15,000 live births, but the real incidence is likely higher because of the development of higher accuracy prenatal ultrasound ...

Author: Jose Martinez-Mas, Alberto Miranda-Pa... Publish Year: 2016

[Space Occupying Lesions in the Fetal Chest Evaluated by MRI](#)

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The most common space occupying lesions of the fetal thorax are congenital diaphragmatic hernia (CDH), congenital cystic adenomatoid malformation (CCAM), and bronchopulmonary sequestration (BPS). Although applications of prenatal MRI have been vastly improved in the recent years, its use in the assessment of space occupying lesions of the fetal chest differs among centers.To evaluate MRI ...

[Congenital cystic adenomatoid malformation. | RadioGraphics](#)

<https://pubs.rsna.org/doi/10.1148/radiographics.11.5.1947321>

Congenital cystic adenomatoid malformation of the lung is a rare lesion that typically manifests as neonatal respiratory distress secondary to progressive expansion of the affected lung. Three distinct types have been described based on the size of the cysts and the microscopic appearance.

Cited by: 127 Author: M L Rosado-de-Christenson, J T Stocker

Publish Year: 1991

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Fetal Medicine Poster Abstracts - 2017 - BJOG: An ...

<https://obgyn.onlinelibrary.wiley.com/doi/10.1111/1471-0528.14586>

Mar 28, 2017 · Results **MRI** changed the US **diagnosis** in 16 cases. 2 of the 5 cases of CDH diagnosed by **MRI**, the primary US **diagnosis** was CCAM. **MRI** refuted the US diagnoses of 5 brain abnormalities and 3 spinal abnormalities detected by ultrasound. **MRI** confirmed the US **diagnosis** of all 3 cases of spina bifida but provided more detailed information.

GU/Ob/Gyn : American Journal of Roentgenology : Vol. 196 ...

https://www.ajronline.org/doi/full/10.2214/ajr.196.5_supplement.a176

2) Formulate a systematic **differential diagnosis** for **fetal** cardiac anomalies detected on the four-chamber and outflow tract views. 3) Demonstrate other pathologic conditions of the **fetal** thorax visible on the four-chamber view, including **congenital** diaphragmatic hernia, **fetal** hydrops, and **congenital** pulmonary **adenomatoid malformation**.

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Cited by: 1 Author: Bogumiła Strumiłło, Andrzej Józwiak, Anna ...
Publish Year: 2018

Usefulness of additional fetal magnetic resonance imaging ...

https://www.researchgate.net/publication/230638158...

Usefulness of additional **fetal magnetic resonance imaging** in the **prenatal diagnosis** of **congenital** abnormalities Article in Archives of Gynecology 286(6) · August 2012 with 20 Reads

Magnetic Resonance Imaging in the Diagnosis of Fetal Pathology

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6511275

Fetal Magnetic Resonance Imaging (MRI), or **prenatal MRI**, is a non-invasive **imaging** method for displaying anatomical structures of the fetus that do not use ionizing radiation. It is used for the purpose of confirming the ultrasound findings of the **fetal** pathology or as a ...

Author: Sandra Vegar-Zubovic, Adi Behmen, Ha... Publish Year: 2019

Imaging in Congenital Cystic Adenomatoid Malformation ...

https://emedicine.medscape.com/article/407407-overview ▾

Types of Cam	Differential Diagnosis	Preferred Examination
CAM is subdivided into 3 major types[3] : 1. Type I lesions, the most common, are composed of 1 or more cysts measuring 2-10 cm in diameter. Larger cysts are often accompanied by smaller cysts, and their		