

Author's Accepted Manuscript

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Primer for Radiologists

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www.elsevier.com/locate/bios

PII: S0037-198X(18)30029-4
DOI: <https://doi.org/10.1053/j.ro.2018.02.009>
Reference: YSROE50627

To appear in: *Seminars in Roentgenology*

Cite this article as: Abbey J. Winant, Anh-Vo Ngo, Grace S. Phillips and Edward Y. Lee, CT of Congenital Lung Malformations in Children: A Primer for Radiologists, *Seminars in Roentgenology*, doi:10.1053/j.ro.2018.02.009

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CT of Congenital Lung Malformations in Children: A Primer for Radiologists

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INTRODUCTION

Congenital lung malformations (CLM) comprise a heterogeneous group of cystic and non-cystic lesions affecting the pulmonary parenchyma, arterial supply, and venous drainage.¹ CLMs have an annual incidence of approximately 30-42/100,000.¹⁻³ CLMs vary greatly in their imaging appearance and clinical presentation, from asymptomatic to severe, resulting in perinatal death. Although conventional radiographs have a role in the initial screening and detection of CLMs, computed tomography (CT) is usually required for definitive diagnosis, characterization, and surgical planning. This article reviews the most up-to-date CT imaging technique and characteristic imaging findings of CLMs. This information is important for

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