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Manuscript NO: 59169
Manuscript Type: CASE REPORT

Tuberous sclerosis complex-lymphangioleiomyomatosis involving several visceral organs: A case report

Chen HB *et al*. Tuberous sclerosis-associated LAM

Abstract

BACKGROUND

Lymphangioleiomyomatosis (LAM) is a rare cystic lung disease characterized by the proliferation, metastasis, and infiltration of smooth muscle cells in the lung and other tissues, which can be associated with tuberous sclerosis complex (TSC). The disorder of TSC has a variable expression, and there is great phenotypic variability.

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https://pubs.rsna.org/doi/full/10.1148/radiol.2421051767

Pulmonary lymphangiomyoma, a probable forme frust of **tuberous sclerosis: a case report** and survey of the literature. Am Rev Respir Dis 1973;108:1411–1415. Medline, Google Scholar; 8 Carsillo T,...

Cited by: 113 **Author:** Nilo A. Avila, Andrew J. Dwyer, Antoinette...
Publish Year: 2007

Lymphangioleiomyomatosis: Pulmonary and Abdominal ...

https://pubs.rsna.org/doi/10.1148/radiographics.22.suppl_1.g02oc13s185

Pulmonary LAM can occur as part of the tuberous sclerosis complex. Some investigators claim that isolated pulmonary LAM and LAM associated with renal angiomyolipomas are a forme fruste of tuberou...

PEOPLE ALSO ASK

Is there a link between liver lesions and tuberous sclerosis?

What are the different types of tuberous sclerosis?

Can a person with tuberous sclerosis get kidney cancer?

How many patients with TSC have liver involvement?

Feedback

(PDF) Tuberous sclerosis complex - ResearchGate

https://www.researchgate.net/publication/224925931_Tuberous_sclerosis_complex

Report of **a case** of **tuberous sclerosis**, which is a rare, autosomal dominant inherited disease, **involving** chromosomes 9 and 16. It is characterized by benign tumors (hamatomas), that affect one o...

(PDF) Tuberous Sclerosis: A Case Report and Review of the ...

https://www.researchgate.net/publication/348227547...

Jan 04, 2021 · Jan 04, 2021 · Tuberous sclerosis complex [TSC] is a genetic multisystem disorder characterised by the growth of numerous hamartomas in several organs including the brain, heart, skin,...

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Cited by: 122 **Author:** Nilo A. Avila, Andrew J. Dwyer, Antoinette R...
Publish Year: 2007

Total pleural coverage followed by lung transplantation in ...

https://link.springer.com/article/10.1007/s11748-019-01217-0

Oct 14, 2019 · **Tuberous sclerosis** complex lymphangioleiomyomatosis (TSC-LAM) is a rare disease, which may develop an intractable pneumothorax. Chemical or mechanical pleurodesis is a general...

Cited by: 1 **Author:** Do Hyung Kim, Hyo Yeong Ahn, Bong Soo S...
Publish Year: 2020 **Estimated Reading Time:** 7 mins

PEOPLE ALSO ASK

Is the liver part of tuberous sclerosis complex?

What are the different types of tuberous sclerosis?

How many people are affected by tuberous sclerosis complex?

What is the prognosis for tuberous sclerosis complex?

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https://pubs.rsna.org/doi/10.1148/radiol.2421051767

Pulmonary lymphangiomyoma, a probable forme frust of **tuberous sclerosis**: a **case report** and survey of the literature. Am Rev Respir Dis 1973;108:1411–1415. Medline, Google Scholar; 8 Carsillo T, Astrinidis A, Henske EP. Mutations in the **tuberous sclerosis complex** gene TSC2 are a cause of sporadic **pulmonary lymphangioleiomyomatosis**.

Cited by: 122 **Author:** Nilo A. Avila, Andrew J. Dwyer, Antoinette R...
Publish Year: 2007

Sirolimus for Angiomyolipoma in Tuberous Sclerosis Complex ...

https://www.nejm.org/doi/full/10.1056/NEJMoa063564

The **tuberous sclerosis complex**, a tumor-suppressor syndrome caused by mutations in the **tuberin gene** (TSC2) or the hamartin **gene** (TSC1), is characterized by hamartomas in organs including the...

Cited by: 1249 **Author:** John J. Bissler, Francis X. McCormack, Lis...
Publish Year: 2008

PEOPLE ALSO ASK

What kind of tumor is found in tuberous sclerosis?

How are angiomyolipomas associated with tuberous sclerosis complex?

How does sirolimus therapy help patients with tuberous sclerosis?

How many patients with TSC have liver involvement?

Feedback

Lymphangioleiomyomatosis: what do we know and what are we ...

https://err.ersjournals.com/content/20/119/034

Mar 01, 2011 · **LAM** arise sporadically in otherwise healthy females and in about 30% of females with **tuberous sclerosis complex** (TSC), an autosomal dominant syndrome characterised by hamartoma formation in **multiple organ** systems, cerebral calcifications, seizures and cognitive defects [6–9]. In the past decades, the finding that **LAM** lesions in patients with TSC (TSC-LAM) and sporadic LAM (S-LAM) ...

Cited by: 106 **Author:** S. Harari, O. Torre, J. Moss

Tuberous Sclerosis

Medical Condition

A rare multisystem genetic disease that causes growth of benign tumors. It causes overgrowth of tissues in different parts of the body.

- Rare (Fewer than 200,000 cases per year in US)
- Requires lab test or imaging
- Treatable by a medical professional
- Can be lifelong

The disorder is either inherited or caused by genetic mutations. Symptoms may range from mild to severe, depending on tumor size and location. They include skin abnormalities and seizures. There is no cure for the condition and treatment involves managing the symptoms.

Symptoms

Noncancerous growths in different organs such as the brain, eyes, kidneys, heart, lungs and skin. The symptoms caused by these tumors include:

- Skin lesions
- Seizure
- Cognitive disabilities
- Kidney diseases
- Heart problems
- Eye abnormalities
- Lung diseases

Treatments

There is no cure for the condition and treatment involves managing the symptoms.

Medication

- Anti-seizure medication: To manage seizures.
  Acetazolamide · Carbamazepine · Tegretol · Carbamazepine CR · Clobazam
- Antineoplastic drugs: To control tumor growth.