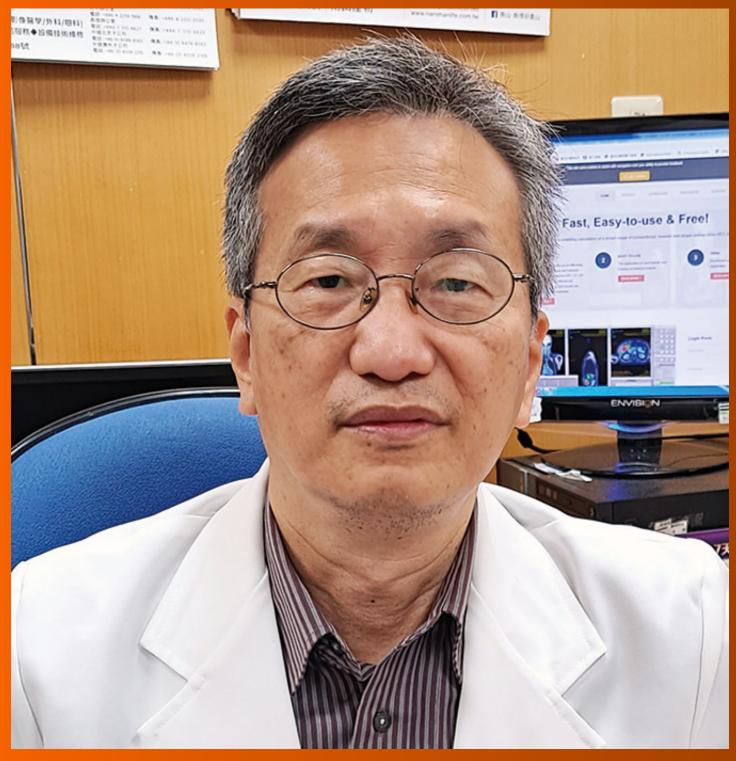
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ABOUT COVER

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CASE REPORT

Pulmonary Cladosporium infection coexisting with subcutaneous Corynespora cassiicola infection in a patient: A case report

Wei-Yi Wang, Hong-Bin Luo, Jun-Qi Hu, Hui-Hua Hong

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Abstract

BACKGROUND

Cladosporium and Corynespora cassiicola (C. cassiicola) infections rarely occur in humans. Mutations in human caspase recruitment domain protein 9 (CARD9) are reported to be associated with fungal diseases. Pulmonary Cladosporium infection coexisting with subcutaneous C. cassiicola infection in a patient with a CARD9 mutation has not been reported in the literature.

CASE SUMMARY

A 68-year-old male patient was hospitalized for hypertrophic erythema and deep ulcers on the left upper extremity. He was diagnosed with pneumonia caused by Cladosporium, as identified through bronchoalveolar lavage fluid analysis, and deep dermatophytosis caused by C. cassiicola, as identified through morphological characteristics of the wound secretion culture. He underwent antifungal therapy (voriconazole) and recovered successfully. He carried two mutations in CARD9 (chr9:139266425 and chr9:139262240) and was therefore susceptible to fungal infections.

CONCLUSION

This case study is the first to report the coexistence of pulmonary Cladosporium infection and subcutaneous C. cassiicola infection in a patient with CARD9 mutation. Our findings will be helpful in enriching the phenotypic spectrum of fungal infections underlying CARD9 deficiency.

Key Words: Cladosporium; Corynespora cassiicola; Caspase recruitment domain protein

9; Lung lesion; Dermatosis; Case report

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Core Tip: The genus Cladosporium and Corynespora cassiicola (C. cassiicola) rarely cause human infections. Patient with caspase recruitment domain protein 9 (CARD9) mutation is reported to be more susceptible to fungal infections. Our case study is the first to report the coexistence of pulmonary Cladosporium infection and subcutaneous C. cassiicola infection in a patient with CARD9 mutation. Multiple fungal infections in patients with CARD9 mutation are worth clinicians' attention.

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INTRODUCTION

Cladosporium and Corynespora cassiicola (C. cassiicola), which are common plant pathogens existing in both indoor and outdoor environments, rarely cause illness in humans [1,2]. Pulmonary Cladosporium infection and subcutaneous C. cassiicola infection have been separately documented in the literature[3, 4]. Thus far, however, there have been no reports on the coexistence of pulmonary Cladosporium infection and subcutaneous C. cassiicola infection in humans. Mutations in human caspase recruitment domain protein 9 (CARD9) lead to an autosomal recessive primary immunodeficiency disorder, resulting in the development of a wide spectrum of fungal infections[5]. Herein, we present a case of pulmonary Cladosporium coexisting with subcutaneous C. cassiicola infection with CARD9 deficiency in a patient who was successfully treated with voriconazole.

CASE PRESENTATION

Chief complaints

A 68-year-old male farmer who was a non-smoker was admitted to the hospital for hypertrophic erythema and deep ulcers on the left upper extremity (Figure 1A) on 18 July 2019.

History of present illness

The patient had a six-month history of red, itchy rash on the left upper extremity.

History of past illness

The patient had a ten-year history of hypertension and a six-month history of sleep disorder.

Personal and family history

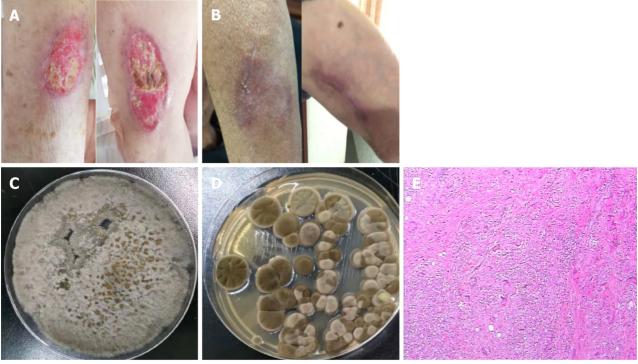
The patient had no remarkable personal or family history.

Physical examination

Initial medical examination showed a heart rate of 77 beats/min, respiratory rate of 18 breaths/min, body temperature of 36.8 °C, and blood pressure of 137/94 mmHg.

Laboratory examinations

Routine blood test results were normal (white blood cell count in serum of 5.1 × 10°/L, absolute neutrophil count of 3.4 × 10⁹/L, C-reactive protein of 1 mg/L). Serum cryptococcal antigen, antineutrophil cytoplasmic antibodies, antinuclear antibodies, human immunodeficiency virus antibody tests, HIV antibodies, and syphilis antibody tests were negative. The serum IgE level of Aspergillus fumigatus was low (0.1 KU/L). A skin biopsy was performed 4 d after hospital admission, which showed partial squamous hyperplasia with a dermal granulomatous lesion (Figure 1E). C. cassiicola was identified according to the morphological characteristics of the wound secretion culture (Figure 1C). The patient underwent bronchoscopy 6 d after admission, with a positive result for the bronchoalveolar lavage fluid (BALF) galactomannan test (with a value of 2.16), and BALF culture revealed the presence of Cladosporium (Figure 1D). Two mutations in CARD9 were detected by ChIP-seq using high-throughput



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Figure 1 Symptoms, culture and pathology. A: Hypertrophic erythema and deep ulcers on the left upper extremity; B: The ulcer on the left upper extremity had completely healed after treatment; C: Wound secretion culture revealed Corynespora cassiicola; D: Bronchoalveolar lavage fluid culture analysis revealed the presence of Cladosporium; E: Skin biopsy showed a partial squamous hyperplasia with a dermal granulomatous lesion.

sequencing (detection region: exon region of approximately 20000 genes in the human genome; detection strategy: the explicit disease-causing genes included in OMIM database "2018.11" were analyzed) in the present case: (1) chromosomal location: chr9:139266425; nucleotide change: c.106C>T; and (2) chromosomal location: chr9:139262240; nucleotide change: c.1118G>C.

Imaging examinations

Chest computed tomography revealed the presence of multiple nodules with multiple patchy areas in both lungs (Figure 2).

FINAL DIAGNOSIS

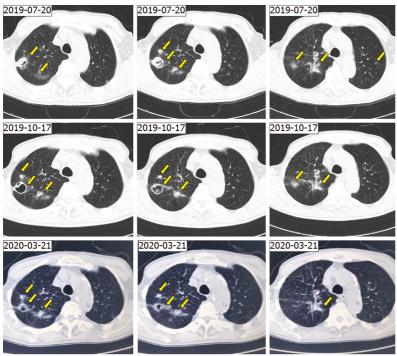
We made a final diagnosis of pneumonia caused by Cladosporium as well as deep dermatophytosis caused by C. cassiicola.

TREATMENT

Piperacillin-tazobactam 3.375 g intravenous drip was administered every 8 h for 7 d, and then antifungal therapy (voriconazole: 200 mg twice daily for 3 mo) was initiated. The ulcer on the left upper extremity healed completely after one month of treatment (Figure 1B).

OUTCOME AND FOLLOW-UP

Follow-up imaging after 3 mo revealed very good resolution of the lesions in the lung (Figure 2). The lung lesions continued to shrink for 5 mo after antifungal therapy was discontinued (Figure 2).



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Figure 2 Imaging. A chest computed tomography scan showing multiple nodules with multiple patchy areas in both lungs (arrow).

DISCUSSION

Our case involved coexistence of pulmonary Cladosporium infection and subcutaneous C. cassiicola infection in a patient with CARD9 mutation.

The genus Cladosporium has been reported to cause several different types of opportunistic infections, including subcutaneous and deep infections, in humans and animals[1]. Cladosporium spores, which potentially lead to the development of respiratory allergy problems such as asthma, rarely cause pulmonary infection[6]. Cladosporium can affect the lungs, bronchi, and pulmonary artery branches, as revealed by our literature review[3,7-10]. Cladosporium spores can reach the lungs by inhalation[11]. The patient in the present case was a farmer; therefore, it is highly likely he was infected by Cladosporium via inhalation.

C. cassiicola, a member of Pleosporales, is a common plant pathogen [12]. Subcutaneous C. cassiicola infection in humans is extremely rare, and only six cases have been reported thus far [4,13-16]. In these cases, erythaematous change, ulcer, plaque, nodule, and erosion were clinical symptoms of all cases, and the face or extremities were the infection sites. Antifungal therapy has resulted in successful treatment outcomes in most cases, though two patients with CARD9 mutations did not respond well[4, 13-16].

As a member of the CARD protein family, CARD9 plays an important role in the activation of antifungal mechanisms[17]. It is a key adaptor that can mediate Dectin-1-, Dectin-2-, and Mincleinduced activation of transcription factors through formation of the CARD9-B cell lymphoma/ leukaemia-10-mucosa-associated lymphoid tissue lymphoma translocation protein 1 complex in response to fungal infection[5]. These activated transcription factors mediate translation of key cytokines such as nuclear factor kB, which promotes T-helper cell (Th)1/Th17 differentiation, stimulating antifungal mechanisms in innate cells[18]. CARD9 mutation is a rare inborn error of immunity and probably leads to impaired protection against fungal infections[19]. However, detailed and comprehensive reports on CARD9 deficiency susceptibility to fungal infection, clinical characteristics, diagnostic methods, and prognosis are still lacking. Human CARD9 deficiency is reported to be responsible for the spontaneous development of persistent and severe fungal infections (such as infections caused by Candida albicans, Candida dubliniensis, Phialophora verrucosa, Trichophyton violaceum, Candida sp., Trichophyton mentagrophytes, Exophiala sp., Trichophyton rubrum, and Corynespora cassiicola)[17, 20]. Conversely, *Cladosporium* infection has not been reported.

The appropriate antifungal therapy for CARD9 deficiency is mostly empirical. Antifungal agents itraconazole and voriconazole have been used for the treatment of pulmonary Cladosporium infection, whereas amphotericin B, voriconazole, posaconazole, liposomes, and itraconazole have been used to treat subcutaneous Corynespora cassiicola infection[13-16]. Voriconazole had a very good therapeutic effect in our case. However, there is still no definitive conclusion on the antifungal treatment of these two diseases, including suitable medicine, reasonable dose, and course, which warrants further research.

CONCLUSION

A good prognosis for fungal infection is associated with prompt identification and proper treatment. Given the findings of our case and the results of our literature review, multiple fungal infections in patients with CARD9 mutations are worthy of clinicians' attention. Further study into the clinical characteristics and pathogenesis of CARD9 deficiency will yield new insight into therapeutic measures for protecting humans from these devastating fungal diseases.

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FOOTNOTES

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REFERENCES

- Sandoval-Denis M, Gené J, Sutton DA, Wiederhold NP, Cano-Lira JF, Guarro J. New species of Cladosporium associated with human and animal infections. Personia 2016; 36: 281-298 [PMID: 27616793 DOI: 10.3767/003158516X691951]
- Yamada H, Takahashi N, Hori N, Asano Y, Mochizuki K, Ohkusu K, Nishimura K. Rare case of fungal keratitis caused by Corynespora cassiicola, J Infect Chemother 2013; 19: 1167-1169 [PMID: 23494266 DOI: 10.1007/s10156-013-0579-8]
- Kwon-Chung KJ, Schwartz IS, Rybak BJ. A pulmonary fungus ball produced by Cladosporium cladosporioides. Am J Clin Pathol 1975; 64: 564-568 [PMID: 1239189 DOI: 10.1093/ajcp/64.4.564]
- Xie Z, Wu W, Meng D, Zhang Q, Ma Y, Liu W, Chen J. A case of Phaeohyphomycosis caused by Corynespora cassiicola infection. BMC Infect Dis 2018; 18: 444 [PMID: 30170557 DOI: 10.1186/s12879-018-3342-z]
- De Bruyne M, Hoste L, Bogaert DJ, Van den Bossche L, Tavernier SJ, Parthoens E, Migaud M, Konopnicki D, Yombi JC, Lambrecht BN, van Daele S, Alves de Medeiros AK, Brochez L, Beyaert R, De Baere E, Puel A, Casanova JL, Goffard JC, Savvides SN, Haerynck F, Staal J, Dullaers M. A CARD9 Founder Mutation Disrupts NF-kB Signaling by Inhibiting BCL10 and MALT1 Recruitment and Signalosome Formation. Front Immunol 2018; 9: 2366 [PMID: 30429846 DOI: 10.3389/fimmu.2018.02366]
- 6 Rick EM, Woolnough K, Pashley CH, Wardlaw AJ. Allergic Fungal Airway Disease. J Investig Allergol Clin Immunol 2016; 26: 344-354 [PMID: 27996940 DOI: 10.18176/jiaci.0122]
- Castro AS, Oliveira A, Lopes V. Pulmonary phaeohyphomycosis: a challenge to the clinician. Eur Respir Rev 2013; 22:



- 187-188 [PMID: 23728874 DOI: 10.1183/09059180.00007512]
- 8 Keyser A, Schmid FX, Linde HJ, Merk J, Birnbaum DE. Disseminated Cladophialophora bantiana infection in a heart transplant recipient. J Heart Lung Transplant 2002; 21: 503-505 [PMID: 11927230 DOI: 10.1016/s1053-2498(01)00357-6]
- Brenner SA, Morgan J, Rickert PD, Rimland D. Cladophialophora bantiana isolated from an AIDS patient with pulmonary infiltrates. J Med Vet Mycol 1996; 34: 427-429 [PMID: 8971633 DOI: 10.1080/02681219680000751]
- Arango-Franco CA, Moncada-Vélez M, Beltrán CP, Berrío I, Mogollón C, Restrepo A, Trujillo M, Osorio SD, Castro L, Gómez LV, Muñoz AM, Molina V, Del Río Cobaleda DY, Ruiz AC, Garcés C, Alzate JF, Cabarcas F, Orrego JC, Casanova JL, Bustamante J, Puel A, Arias AA, Franco JL. Early-Onset Invasive Infection Due to Corynespora cassiicola Associated with Compound Heterozygous CARD9 Mutations in a Colombian Patient. J Clin Immunol 2018; 38: 794-803 [PMID: 30264381 DOI: 10.1007/s10875-018-0549-0]
- Ismail MA. Deterioration and spoilage of peanuts and desiccated coconuts from two sub-Saharan tropical East African countries due to the associated mycobiota and their degradative enzymes. Mycopathologia 2001; 150: 67-84 [PMID: 11407493 DOI: 10.1023/a:1010863507652]
- Chen C, Li Q, Fu R, Wang J, Fan Z, Chen X, Lu D. Characterization of the complete mitochondrial genome of Corynespora cassiicola (Pleosporales: Dothideomycetes), with its phylogenetic analysis. Mitochondrial DNA B Resour 2019; 4: 2938-2939 [PMID: 33365801 DOI: 10.1080/23802359.2019.1662753]
- Grava S, Lopes FA, Cavallazzi RS, Grassi MF, Svidzinski TI. A rare case of hemorrhagic pneumonia due to Cladosporium cladosporioides. J Bras Pneumol 2016; 42: 392-394 [PMID: 27812642 DOI: 10.1590/S1806-375620160000000079]
- Lv GX, Ge YP, Shen YN, Li M, Zhang X, Chen H, Deng S, de Hoog GS, Liu WD. Phaeohyphomycosis caused by a plant pathogen, Corynespora cassiicola. Med Mycol 2011; 49: 657-661 [PMID: 21281061 DOI: 10.3109/13693786.2011.553635]
- Wang CH, Chen WT, Ting SW, Sun PL. Subcutaneous Fungal Infection Caused by a Non-sporulating Strain of Corynespora cassiicola Successfully Treated with Terbinafine. Mycopathologia 2019; 184: 691-697 [PMID: 31606812 DOI: 10.1007/s11046-019-00393-0]
- Huang HK, Liu CE, Liou JH, Hsiue HC, Hsiao CH, Hsueh PR. Subcutaneous infection caused by Corynespora cassiicola, a plant pathogen. J Infect 2010; 60: 188-190 [PMID: 19925826 DOI: 10.1016/j.jinf.2009.11.002]
- Drummond RA, Lionakis MS. Mechanistic Insights into the Role of C-Type Lectin Receptor/CARD9 Signaling in Human Antifungal Immunity. Front Cell Infect Microbiol 2016; 6: 39 [PMID: 27092298 DOI: 10.3389/fcimb.2016.00039]
- Drummond RA, Saijo S, Iwakura Y, Brown GD. The role of Syk/CARD9 coupled C-type lectins in antifungal immunity. Eur J Immunol 2011; 41: 276-281 [PMID: 21267996 DOI: 10.1002/eji.201041252]
- Vaezi A, Fakhim H, Abtahian Z, Khodavaisy S, Geramishoar M, Alizadeh A, Meis JF, Badali H. Frequency and Geographic Distribution of CARD9 Mutations in Patients With Severe Fungal Infections. Front Microbiol 2018; 9: 2434 [PMID: 30369919 DOI: 10.3389/fmicb.2018.02434]
- Yan XX, Yu CP, Fu XA, Bao FF, Du DH, Wang C, Wang N, Wang SF, Shi ZX, Zhou GZ, Tian HQ, Liu H, Zhang FR. CARD9 mutation linked to Corynespora cassiicola infection in a Chinese patient. Br J Dermatol 2016; 174: 176-179 [PMID: 26440558 DOI: 10.1111/bjd.14082]



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