Accepted Manuscript

The significance of spread through air spaces in resected lung adenocarcinomas with lymph node metastasis

Gouji Toyokawa, PhD, Yuichi Yamada, PhD, Tetsuzo Tagawa, PhD, Fumihiko Kinoshita, MD, Yuka Kozuma, MD, Taichi Matsubara, MD, Naoki Haratake, MD, Shinkichi Takamori, MD, Takaki Akamine, MD, Fumihiko Hirai, PhD, Yoshinao Oda, PhD, Yoshihiko Maehara, PhD

PII: S1525-7304(18)30074-3

DOI: 10.1016/j.cllc.2018.04.002

Reference: CLLC 772

To appear in: Clinical Lung Cancer

Received Date: 25 January 2018

Revised Date: 3 April 2018
Accepted Date: 10 April 2018

Please cite this article as: Toyokawa G, Yamada Y, Tagawa T, Kinoshita F, Kozuma Y, Matsubara T, Haratake N, Takamori S, Akamine T, Hirai F, Oda Y, Maehara Y, The significance of spread through air spaces in resected lung adenocarcinomas with lymph node metastasis, *Clinical Lung Cancer* (2018), doi: 10.1016/j.cllc.2018.04.002.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

1	Clinical Lung Cancer (original article)
2	Title: The significance of spread through air spaces in resected lung adenocarcinomas with
3	lymph node metastasis
4	
5	Gouji Toyokawa, PhD ¹ , Yuichi Yamada, PhD ² , Tetsuzo Tagawa, PhD ¹ , Fumihiko Kinoshita,
6	MD ¹ , Yuka Kozuma, MD ¹ , Taichi Matsubara, MD ¹ , Naoki Haratake, MD ¹ , Shinkichi Takamori,
7	MD ¹ , Takaki Akamine, MD ¹ , Fumihiko Hirai, PhD ¹ , Yoshinao Oda, PhD ² , Yoshihiko Maehara,
8	PhD ¹
9	
10	¹ Department of Surgery and Science, Graduate School of Medical Sciences, Kyushu University,
11	3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan
12	² Department of Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University,
13	3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan
14	
15	Funding sources: None
16	
17	Running title: STAS in adenocarcinomas with nodal metastasis
18	
19	Corresponding author: Gouji Toyokawa
20	Department of Surgery and Science, Graduate School of Medical Sciences, Kyushu University,
21	3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan
22	Tel.: +81 92 642 5466; fax: +81 92 642 5482
23	E-mail: gouji104kawa@gmail.com
24	
25	Conflicts of Interest : The authors declare no conflicts of interest in association with this study.

Download English Version:

https://daneshyari.com/en/article/8950853

Download Persian Version:

https://daneshyari.com/article/8950853

<u>Daneshyari.com</u>