

# KSN 2016 Abstract Submission

## *Transplantation & Immunology*

KSN2016ABS-1268

### A CASE OF MULTIPLE TUBERCULOMAS INVOLVED CENTRAL NERVOUS SYSTEM IN KIDNEY TRANSPLANTATION RECIPIENT

Hayeon Park\*<sup>1,2</sup>, Yaerim Kim<sup>1,2</sup>, Sang Mok Yeo<sup>1,2</sup>, Seong Sik Kang<sup>1,2</sup>, Woo Yeong Park<sup>1,2</sup>, Kyubok Jin<sup>1,2</sup>, Seungyeup Han<sup>1,2</sup>, Yoon Soo Hong<sup>3</sup>, Sung Bae Park<sup>1,2</sup>

<sup>1</sup>Department of Internal Medicine, Keimyung University School of Medicine, <sup>2</sup>Keimyung University Kidney Institute, <sup>3</sup>Keimyung University Dongsan Medical Center, Daegu, Korea, Republic Of

**Background:** -

**Methods:** -

**Results:** Tuberculosis infection rates in transplantation recipients are reported about 50 times higher than in the general public. Most of them are pulmonary tuberculoses, central nervous system tuberculosis such as spinal intramedullary tuberculoma or intracranial tuberculoma is uncommon.

A 65-year-old woman who underwent kidney transplantation 6 months ago, visited emergency room, presenting progressive paraplegia. The magnetic resonance imaging showed a spinal intramedullary mass and multiple intracranial nodules. Surgical resection of spinal mass was performed and the lesion was confirmed as Mycobacterium tuberculosis histopathologically. Although she demonstrated positive to QuantiFERON test before transplantation, INH prophylaxis was not performed because she has no past history of tuberculosis. There is no consensus about INH prophylaxis for positive to QuantiFERON test before transplantation. Because disseminated tuberculosis is fatal and can lead to serious complications, INH prophylaxis should be considered in kidney transplantation recipients with a positive QuantiFERON test.

**Conclusion:** -

**Keywords:** Central Nervous System, Kidney Transplantation, Tuberculosis