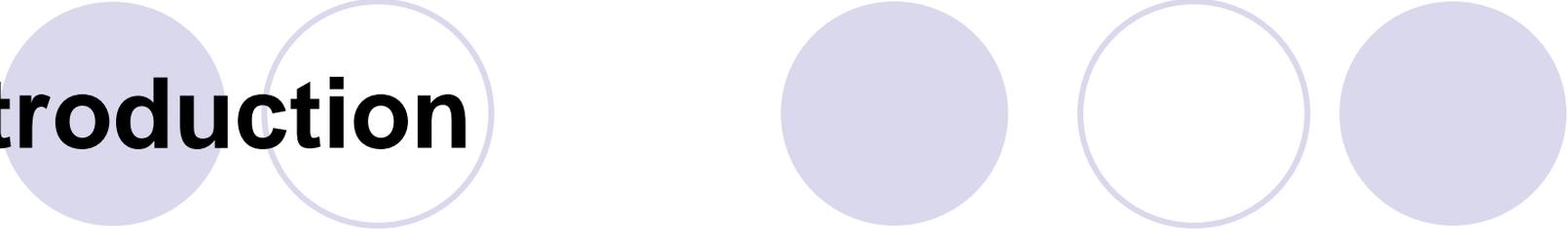


# **Meningioma in a Patient with Tall Cell Papillary Thyroid Carcinoma**

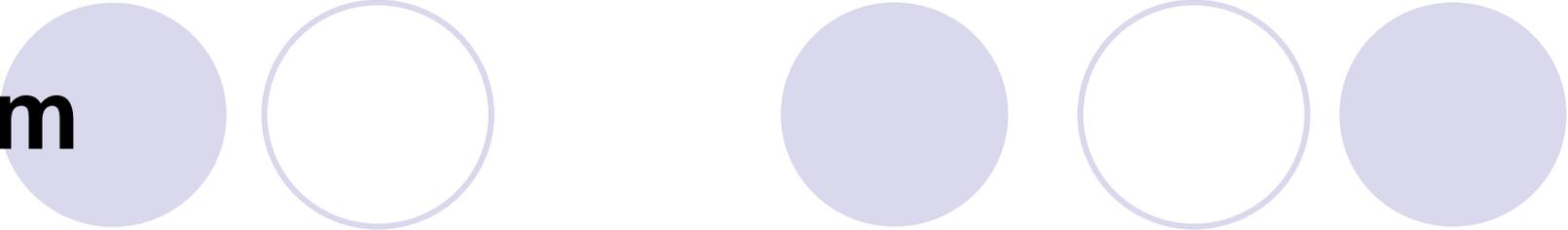
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**Greece**

# Introduction



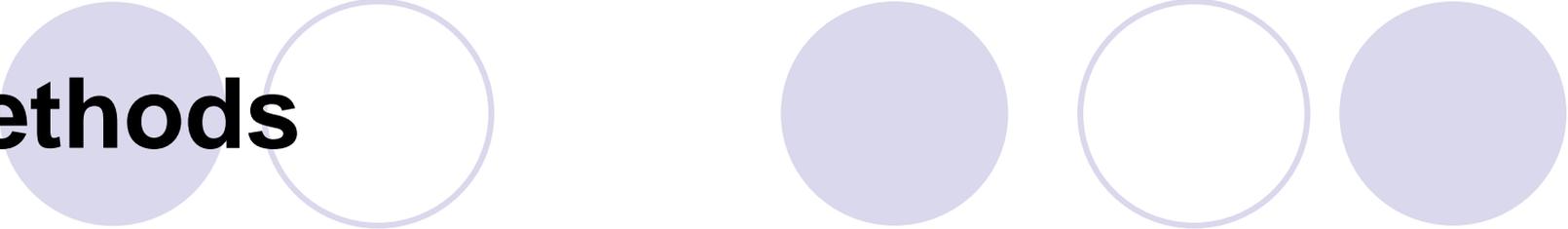
- **Tall cell papillary thyroid carcinoma is known to be associated with an adverse outcome, namely with the early development of locally recurrent or metastatic disease**
- **Therefore the administration of therapeutic radioactive iodine is considered absolutely necessary in the management of such patients**
- **A meningioma may occur in a patient with another neoplastic disease, having also been described in patients with thyroid carcinoma**

# Aim



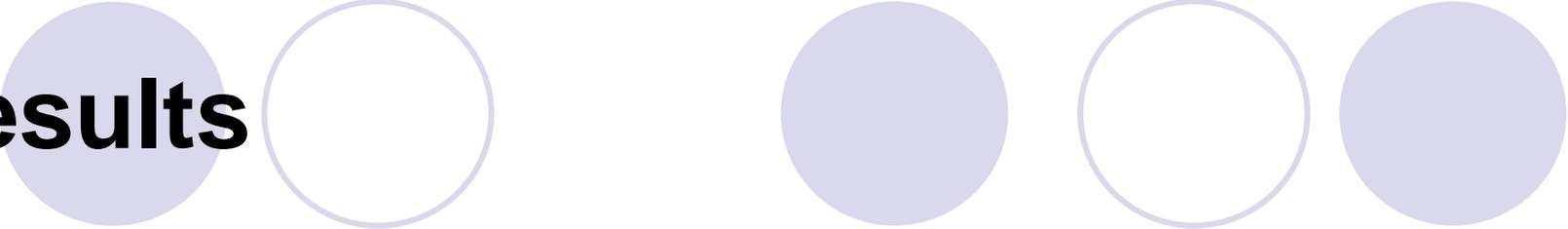
- **The aim was to describe the case of a patient who presented with a tall cell thyroid carcinoma and was also found to harbor a meningioma**

# Methods



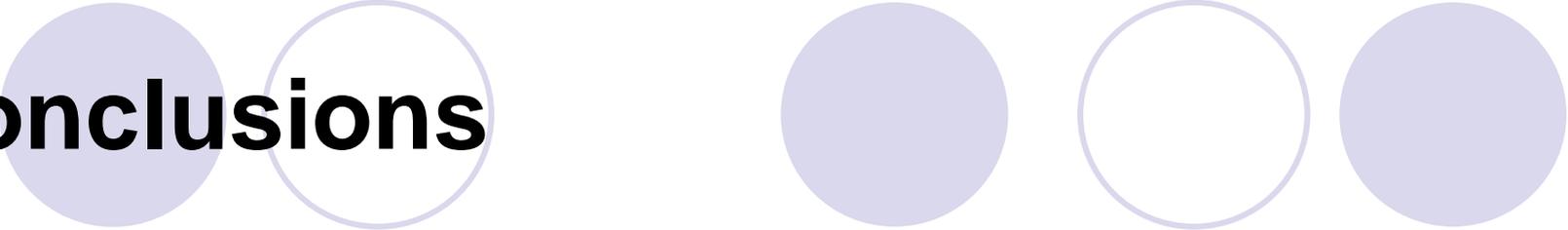
- **A female patient, aged 59, presented with a thyroid nodule measuring 1.8 cm on ultrasound**
- **Diagnostic evaluation involving thyroid hormone measurement,  $^{99m}\text{Tc}$ -scanning and fine needle aspiration biopsy revealed the presence of malignancy within a cold nodule**
- **Surgery was performed**
- **Histology revealed the presence of a tall cell thyroid carcinoma**
- **Thereafter, the administration of a therapeutic dose of radioactive iodine was planned**

# Results



- **A brain CT scan revealed the presence of a tumor in the area of the left temporal lobe**
- **As tall cell papillary thyroid carcinoma may be associated with metastatic disease, the possibility of metastatic disease within the brain was discussed**
- **In order to exclude the presence of tissue absorbing radioactive iodine in the brain a whole body scan with low dose  $^{131}\text{I}$  iodine was performed**
- **The scan confirmed that the tumor was not absorbing radioiodine**
- **Subsequently, a therapeutic dose of  $^{131}\text{I}$  was administered**

# Conclusions



- **A meningioma may occur in a patient with another malignancy**
- **In the case of a patient with thyroid cancer a meningioma can pose therapeutic difficulties, as it may mimic thyroid cancer metastatic disease in the brain, making specific diagnostic evaluation before the administration of therapeutic radioiodine necessary**