



Lundi
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Local Z5-3001

PROGRAMME DE SCIENCES DES RADIATIONS ET IMAGERIE BIOMÉDICALE

SÉMINAIRE DE RECHERCHE AU DOCTORAT (4/4)

TRIGEMINAL NEURALGIA ASSOCIATED WITH PONTINE LESIONS: PINPOINTING THE CULPRIT

Par : Sarra Blagui

DIRECTION DE RECHERCHE:

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PRÉSENTATION ÉTUDIANTE:

CAMILLE THEAUD

TRIGEMINAL NEURALGIA (TN) - A SEVERE FACIAL PAIN SYNDROME - CAN BE A LIFE SENTENCE FOR SOME PATIENTS. ESPECIALLY PATIENTS DIAGNOSED WITH TN ASSOCIATED WITH UNEXPLAINED PONTINE LESIONS (TN-PL) ON MAGNETIC RESONANCE IMAGING (MRI). BY DESCRIBING PONTINE LESIONS CHARACTERISTICS AND CORRELATING THEM TO TRIGEMINAL SYSTEM ANATOMY AND PONTINE VASCULAR ANATOMY, OUR TEAM AIMED TO HAVE A BETTER UNDERSTANDING OF THE POSSIBLE NATURE OF THESE LESIONS AND THEIR LOCALIZATION. THIS INFORMATION IS ESSENTIAL TO DEVELOP NEW THERAPEUTIC OPTIONS FOR PATIENTS WITH REFRACTORY TN-PL. MORE SPECIFICALLY, THE GOAL OF THIS RETROSPECTIVE STUDY WAS TO DESCRIBE PONTINE LESIONS CHARACTERISTICS IN TN-PL INCLUDING APPEARANCE ON AVAILABLE MRI SEQUENCES, PROPORTIONS OF SINGULAR VS MULTIPLE LESIONS, LESION GEOMETRY, INTENSITY AND VOLUME, AND LOCALIZATION IN RELATION WITH THE BRAINSTEM, THE TRIGEMINAL SYSTEM COMPONENTS AND BRAIN VASCULAR SUPPLY.