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The influence of Growth Hormone excess secretion on the outcome of Fibrous Dysplasia in patients with McCune Albright Syndrome

Duration	6 months
Short Bio	I am an Endocrinologist in training from Romania with a special focus on Bone Diseases and Rare Endocrine Diseases.
Home Institution	National Institute of Endocrinology C.I. Parhon, Bucharest, Romania
Host Institution	Leiden University Medical Center, Leiden, The Netherlands
Project Description	McCune-Albright syndrome is a complex disease characterized by the presence of Fibrous dysplasia lesions and Endocrinopathies due to GNAS activating mutation. Due to its heterogenous manifestation, each patients has a different phenotype. My project would like to investigate the influence of Growth hormone excess on bone metabolism in this group of patients. The hypothesis is that patients with McCune Albright syndrome and Growth Hormone excess have increased bone activity with high bone turnover markers and initiation of GH lowering medication will lower the bone activity and will lead to improved bone turnover markers.
Personal Statement	This project offered me a unique experience. I had the chance to expand my knowledge, see how a reference center is organized, the importance of multidisciplinary care and quality of life in management of rare diseases. Secondly, this fellowship offered the opportunity to understand and learn more about a rare disease. It is difficult to see a number of patients with a rare disease outside a Center with specific expertise, so in this regard home institution will benefit from the acquired knowledge. Dissemination of the acquired knowledge will constitute a step forward in diagnosing these patients, but also to provide a better care and disease management.