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Title	Adrenal leiomyosarcoma: A case report
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Aim	Primary adrenal mesenshymal tumors are rare.diagnosis are based on histological and immunohistochemical evaluation. Through this case we proposed to detail the clinical and pathological features of this rare entity.
Materials & Methods	We report a case of a 52 year old man with history of left upper quadrant abdominal mass.
Result	We received a mass of 10cm bumpy drive, adjoining the surrénale.it was multinodular solid whitish appearance with hemorrhagic alterations. Histological examination revealed that the mass corresponded to a tumor proliferation vaguely nodular, made by spindle cells the cytoplasm was abundant eosinophilic.The nuclei were elongated, irregular, pleomorphic and sometimes monstrous.The mitosis were many 8M/10 LF.The stroma was myxoid.on places we noted the presence of foci of tumor necrosis (<50% of tumor mass). The tumor infiltrated the residual adrenal gland. Immunohistochemical study showed that the tumor cells expressed intensely desmin and smooth muscle actin.The marquage was negative with PS100, CD117 and MDM2. The diagnosis of leiomyosarcoma of adrenal gland was made.
Conclusion	The diagnosis of leiomyosarcoma of adrenal gland is one of exclusion and is based on morphological and immunohistochemical evaluation. Low grade features, absence of lymphovascular invasion and necrosis, favor long term survival after aggressive surgical resection.