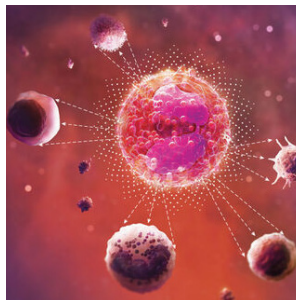
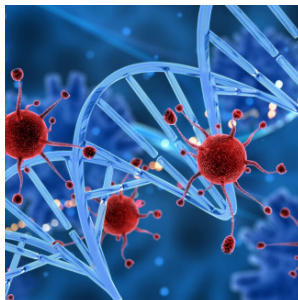
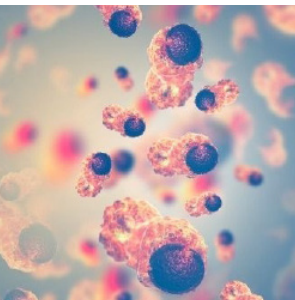

Keynote Forum October 17, 2022

Surgical Pathology 2022



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October 17, 2022 | Webinar

Received Date: 21-07-2022 | Accepted Date: 27-07-2022 | Published Date: 05-12-2022



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Gudushauri National medical center, Georgia

Aneurysmal bone cysts (ABC) immunohistochemical profile according to the bone pathology: Primary and secondary ABC

Aneurysmal bone cysts are one of most common oncological and surgical pathologies primary described by Jaffe and Lichtenshtein (1942) and dramatically arising in frequencies and complications. In this report some immunohistochemical peculiarities of ABC most used in practice are discussed. According presence of any controversy, this lesion may be presented as damage from cortex, forming blood filled large irregular spaces, well defined border classified as primary ABC. Fig 1 Important IHC markers are: TP53/63, bcl-2, Ki67, CD68, but in cases of secondary ABC precursor lesions as trauma, pre-existing secondary haemorrhage or vascular malformation are largely presented. Fig 2 Diagnostic morphology includes IHC analysis with Ki67, MPS-9, 10 and special mesenchyme Cadherine-11. Due to the modern concept of ABC transformation mechanisms from primary into secondary, Cadherine-11 expression play a key role in this as an activating promoter by Ubiquitin-specific Protease. By Cadherine-11, 10- cases of secondary and 5- primary cases of ABC were differentiated. Despite the fact that all

processes can develop into secondary ABC, each of them has an initial condition and a histopathological picture that requires accurate diagnostic variation by studying the expression of the discussed IHC markers.

Recent Publications

1. Molecular basis of epidermal growth factor receptor and Cyclin E expression interdependence in basal-like subtype of invasive breast carcinoma. Georgian Med News. 2018 Mar;(276):101-107.
2. Distribution and demographic characteristics of ductal invasive breast carcinoma subtypes in Georgian population. Georgian Med News. 2018 Oct;(283):129-133.
3. Spontaneous regression of clear cell carcinoma of the endometrium. Journal of Cancer Therapy Vol.7 No.9, September 2016.

Biography

Makaridze is currently the doctor of Pathology in the Pathology research center since 2016. He was a Pathologist in the military hospital at the Ministry of defense of Georgia. He has his PhD from tbilisi david tvildiani medical university, Georgia.

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4th World Congress on SURGICAL PATHOLOGY AND ONCOLOGY RESEARCH

October 17, 2022 | Webinar

Received date: 07-07-2022 | Accepted date: 13-07-2022 | Published Date: 05-12-2022



Kazuhiro Hiyama

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Ascending colon stenosis caused by repeated diverticulitis that clinically mimicked advanced colon cancer

Introduction: We experienced a rare case of right-sided large bowel obstruction (LBO) of the colon caused by chronic diverticulitis, which was challenging to diagnose.

A young male was admitted to our department with a fever, diarrhea and right-sided lateral abdominal pain for several days. CT showed a thickened ascending colon wall with stenosis and adjacent retroperitoneal inflammation without marked diverticula. The next day, he developed severe abdominal pain and perforation was suspected. We chose the “interval definitive surgery”; at that time, intestinal decompression and laparoscopic drainage. Colonoscopy showed an edematous membrane, but no cancerous lesions or diverticula. Hemi-colectomy was performed after 10 days' nutritional therapy. No postoperative complication occurred. The histopathology showed that the pathogenesis was chronic diverticulitis.

Discussion: There have been few reported cases of right-sided LBO caused by diverticulitis, but it is important to be aware that benign disease, such as chronic diverticulitis, can cause LBO. Initial conservative therapy and nutritional therapy produced a correct diagnosis and good outcomes.

Recent Publications

1. Two cases of splenic neoplasms with differing imaging findings that required laparoscopic resection for a definitive diagnosis.
2. The first case of POEMS syndrome with synchronous breast cancer: What are the associated diagnostic challenges?

Biography

Kazuhiro Hiyama is the director of surgery at atago hospital (Kochi, Japan). Hiyama gained the first degree in pharmaceutical sciences at the university of Tokyo. He gained the second degree in medicine at university of Tsukuba (as a principal). He finished the surgical residency and fellowship at the tsukuba university hospital.

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