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Correlations of morphology and molecular alterations in traditional serrated adenoma

Gui H *et al.* An update on TSA

Hongxing Gui, Michael A Husson, Rifat Mannan

Abstract

Traditional serrated adenoma was first reported by Longacre and Fenoglio-Presier in 1990.

Their initial study described main features of this lesion, but the consensus diagnostic criteria were not widely adopted until recently. Traditional serrated adenoma presents

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KRAS mutations were frequent in villous (67%) and tubulovillous (60%) adenomas but were rare or absent in tubular adenomas (6%) and serrated lesions, including hyperplastic polyps, sessile

Clinical features and molecular alterations of traditional ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1751-2980.2011.00495.x>

Therefore, it is necessary to study serrated lesions and to compare serrated with non-serrated lesions, focusing on clinical and pathological features as well as on molecular alterations. In the present study we attempt to compare some of the clinical features of TSA and SCa with traditional adenomas (TA) and carcinomas (Ca), trying to ...

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Author: Ying Han, Zhi Yong Zhou

Publish Year: 2011

Histological and molecular diversity and heterogeneity of ...

<https://jcp.bmj.com/content/early/2019/12/12/jclinpath-2019-206247>

Dec 04, 2019 · Molecular alterations and morphological-molecular correlations The genetic testing and immunohistochemical staining results of the 41 lesions are shown in details in the tables 4 and 5 . Genetic mutations among what have been detected were seen only in KRAS and PIK3CA.

Author: Xianyong Gui, Xianyong Gui, Martin K...

Publish Year: 2019

An update on the morphology and molecular pathology of ...

<https://www.nature.com/articles/s41379-019-0280-2>

Apr 25, 2019 · Detailed morphologic analysis of traditional serrated adenomas has led to the recognition of flat and early forms of this polyp. ... An update on the morphology and molecular pathology of serrated

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Author: Rish K. Pai, Mark Bettington, Mark Bettin...

Publish Year: 2019

[PDF] Molecular and Histologic Considerations in the ...

<https://www.archivesofpathology.org/doi/pdf/10.5858/arpa.2014-0424-RA>

molecular abnormalities identified in hyperplastic polyps and sessile serrated adenomas. In contrast, in traditional serrated adenomas, either BRAF V600E or KRAS mutations can be frequently identified. CpG methylation has emerged as a critical molecular mechanism in the sessile serrated pathway. CpG



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Feb 12, 2020 · Clinicopathological and molecular correlations in traditional serrated adenoma. Sekine S(1)(2), Yamashita S(3), Yamada M(4), Hashimoto T(5), Ogawa R(6), Yoshida H(5), Taniguchi H(5), Kojima M(7), Ushijima T(3), Saito Y(4).

Author: Shigeki Sekine, Satoshi Yamashita, ... Publish Year: 2020

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Author: Shigeki Sekine, Satoshi Yamashita, ... Publish Year: 2020

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<https://www.researchgate.net/publication/339224903>...

RNF43 mutation was found in 2 of 20 (10%) sessile serrated adenomas, 10 of 36 (28%) traditional serrated adenomas, 7 of 37 (19%) traditional serrated adenomas with cytologic dysplasia, and 9 ...

Traditional serrated adenoma: an overview of pathology and ...

<https://bmjopengastro.bmj.com/content/6/1/e000317> ▾

Jul 01, 2019 · Objective To provide an overview of the pathology and molecular pathogenesis of traditional serrated adenomas (TSA). Design Describe the morphology and molecules that play a role in their pathogenesis. Results These exuberant polypoid lesions are typified by tall cells with deeply eosinophilic cytoplasm, elongated nuclei bearing delicate chromatin, ectopic crypt foci, deep clefting of ...

Author: Aoife J McCarthy, Stefano Serra, Runj... Publish Year: 2019

An update on the morphology and molecular pathology of ...

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Author: Shigeki Sekine, Satoshi Yamashita, M... **Publish Year:** 2020

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<https://www.nature.com/articles/s41379-019-0280-2>

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