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In this issue

Research Article

Open Access Research Article PTZAID:ACP-5-113

Immunohystochemical profile of cytokeratins (5, 7, 14, 18, 20) in retrospective cases of breast fibroadenomas

Published On: March 20, 2020 | Pages: 035 - 043

Author(s): Marcia Bernardo*, Andreia Fabiana do Vale Franco*, Gil Facina and Angela Flavia Logullo Waitzberg

Introduction: Fibroadenomas (FAs) are the most common benign tumors in the breast. Described as a biphasic stromal and epithelial lesion, it is usually stable and clinically well managed. Although the cytokeratins (CKs) distribution among ductal cells is well described in carcinomas and normal breast tissue, in FAs the differentiation and distribution of epithelium CK ...

Abstract View Full Article View DOI: 10.17352/acp.000013

Open Access Research Article PTZAID:ACP-5-112

Development of A Management Guideline Wheel for Abnormal Pap Smears and Related Cervical Pathology

Published On: March 12, 2020 | Pages: 013 - 034

Author(s): M Samy Ismail*

A Management Guideline Wheel for Abnormal Cervical Pap Smears and related Cervical Pathology has been designed and developed to facilitate a standard and improve the quality of care in management of abnormal cervical cytology, precancerous lesions and cancerous lesions of the cervix. Each step of the wheel takes into account the context of the patient’s medical condit ...

Abstract View Full Article View DOI: 10.17352/acp.000012

Review Article

Open Access Review Article PTZAID:ACP-5-121

Pathologic basis of coronavirus disease 2019 (COVID-19) – An overview of cellular affinities, pathogenesis, clinical manifestations, autopsy findings and sequelae

Published On: October 23, 2020 | Pages: 078 - 083

Author(s): Ochuko Orakpoghenor*, Talatu Patience Markus, Jamila Abdulhamid Atata, Juwon Pius Erin, Olushola Samuel Olaolu, Collins Chimezie Udechukwu, Ngozi Ejum Ogbuagu, Kelvin Olutimilehin Jolayemi, Magdalene Ogbonneya Okoronkwo and Bala Ningi Umar

The global terror instigated by coronavirus disease 2019 (COVID-19) cannot be underestimated and the need for drastic measures towards its control cannot be overemphasized. Coronavirus disease 2019 is caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) following attachment of the virus to specific receptors in the body. The distribution of these spe ...

Abstract View | Full Article View | DOI: 10.17352/acp.000021

Open Access Review Article PTZAID:ACP-5-119

Some “Biological Nonsenses” from the position of the karyogamic theory of carcinogenesis

Published On: June 30, 2020 | Pages: 068 - 072

Author(s): Gogichadze GDK*, Gedenidze SG and Gogichadze TG

Malignant transformation of the normal somatic cells into tumorous ones can be assisted by the very difference in their nature agents and factors: penetrating radiation of different nature, numerous chemical substances, some oncogenic and infectious viruses, some toxins, pharmacological agents, some kind of irritation and some non-carcinogenic substance. Probably, the ...

Abstract View | Full Article View | DOI: 10.17352/acp.000019

Open Access Review Article PTZAID:ACP-5-118

Micronucleus scoring: An available approach in the evaluation of genomic damage in exfoliative cervicovaginal cells

Published On: June 22, 2020 | Pages: 064 - 067

Author(s): Zehra SAFI OZ*

Micronucleus is small chromatin extranuclear bodies when chromosomes or chromosomal fragments are not included in

the nucleus during cell division. Micronucleus formation usually serves as a sensible indicator of genotoxic damage and also a morphological marker of chromosomal instability. Genomic damage is crucial for the development of degenerative diseases, includin ...

Abstract View | Full Article View | DOI: 10.17352/acp.000018

Open Access Review Article PTZAID:ACP-5-117

Vital Staining- Pivotal Role in the Field of Pathology

Published On: June 12, 2020 | Pages: 058 - 063

Author(s): Nitya K*, Vikram S Amberkar and Bhuvaneshwari G Nadar

A dye or stain is capable of penetrating the living cells or tissues and not inducing immediate degenerative changes. Vital stain means a stain that can be applied on a living cells without killing them. ...

Abstract View | Full Article View | DOI: 10.17352/acp.000017

Open Access Review Article PTZAID:ACP-5-116

Candidate molecules as diagnostic biomarker for human uterine mesenchymal tumors

Published On: May 14, 2020 | Pages: 054 - 057

Author(s): Hayashi T*, Sano K, Ichimura T, Gur G, Yaish P, Zharhary D, Kanai Y, Tonegawa S, Yaegashi N and Konishi I

Unfortunately, uterine leiomyosarcoma still has a poor prognosis. The National Cancer Institute reported that the median overall survival (mOS) at stage I to stage IV of leiomyosarcoma was 31 months. ...

Abstract View | Full Article View | DOI: 10.17352/acp.000016

Open Access Review Article PTZAID:ACP-5-115

The biology of Epidermal Growth Factor Receptor (EGFR) from regulating cell cycle to promoting carcinogenesis: the state of art including treatment options

Published On: May 04, 2020 | Pages: 048 - 053

Author(s): Patrizia Viola*

The current definition of cancer is the creation of atypical cells capable to rapidly grow beyond the normal boundaries and spread to distant organs. To do so tumour cells have to acquire to the ability to proliferate continuously and avoid

apoptosis. ...

Abstract View | Full Article View | DOI: 10.17352/acp.000015

Open Access Review Article PTZAID:ACP-5-111

Evaluation of Different Guidelines for Cervical Cancer Screening and Management of Abnormal Cervical Cytology

Published On: March 09, 2020 | Pages: 001 - 012

Author(s): M Samy Ismail*, Stephanie Hsu, Muneera Ahmed AlKhalifa, Maryam Fuad Ali, M Faëz Codabux and Khalid Al-Sindi

This is a comparison review article of the various guidelines that currently exist for cervical cancer screening. The guidelines used for comparison include the American College of Obstetricians and Gynecologists (ACOG), United States Preventive Services Task Force (USPSTF), American College of Physicians (ACP), American Cancer Society/American Society for Colposcopy ...

Abstract View | Full Article View | DOI: 10.17352/acp.000011

Case Report

Open Access Case Report PTZAID:ACP-5-114

Mitotically active fibrothecoma in association with sclerous peritonitis

Published On: April 21, 2020 | Pages: 044 - 047

Author(s): Bdioui Ahlem*, Ben Khlifa Sarra, Kaabia Ons, Missaoui Nabiha, Hmissa Sihem and Mokni Moncef

Background: Mitotically active fibrothecoma associated with sclerosing peritonitis is an enigmatic and rare condition, described by Clement et al. in 1994, with fewer than 50 pathologically characterized cases. Association of these two lesions is extremely rare and the etiology currently remains unclear; therefore, association with anti-epileptic drugs was suggested. ...

Abstract View | Full Article View | DOI: 10.17352/acp.000014

Perspective Study

Open Access Perspective Study PTZAID:ACP-5-120

Liquid Biopsy perspectives theranostics and personalized oncology

Published On: September 14, 2020 | Pages: 073 - 077

Author(s): C Daniel Ascencio González*

The current limitations of cancer diagnosis and molecular profiling based on invasive tissue biopsies or clinical imaging have led to the development of the Liquid Biopsy field (LB), includes the isolation of Circulating Tumor Cells (CTCs), circulating free or tumor DNA (cfDNA or ctDNA), Extracellular Vesicles (EVs), and Tumor-Educated Platelets (TEPs) from body fluid ...

Abstract View | Full Article View | DOI: 10.17352/acp.000020