

**Publikationen 2014 bis 2019**

**Integrated Fourier Transform Infrared Imaging and Proteomics for Identification of a Candidate Histochemical Biomarker in Bladder Cancer.**

Am J Pathol. 2019;189(3): 619-631

Witzke KE, Großerueschkamp F, Jütte H, Horn M, Roghmann F, von Landenberg N, Bracht T, Kallenbach-Thieltges A, Käfferlein H, Brüning T, Schork K, Eisenacher M, Marcus K, Noldus J, Tannapfel A, Sitek B, Gerwert K

Histopathological differentiation between severe urocystitis with reactive urothelial atypia and carcinoma in situ (CIS) can be difficult, particularly after a treatment that deliberately induces an i [...]

**ROBO1 Expression in Metastasizing Breast and Ovarian Cancer: SLIT2-induced Chemotaxis Requires Heparan Sulfates (Heparin).**

Anticancer Res. 2019;39(3): 1267-1273

Rezniczek GA, Grunwald C, Hilal Z, Scheich J, Reifenberger G, Tannapfel A, Tempfer CB

The members of the slit homolog (SLIT) and roundabout homolog (ROBO) families have emerged as important signaling molecules in tumor metastasis. This study analyzed their role in regulating breast can [...]

**Outcome Determining Factors of Intraductal Papillary Neoplasm of the Biliary Tract (IPNB)-a Single Center Survey and Analysis of Current Literature.**

J Gastrointest Cancer. 2019;50(1): 160-169

Höhn P, Braumann C, Munding J, Tannapfel A, Uhl W, Künzli BM

Intraductal papillary neoplasms of the biliary tract (IPNB) are rare tumors originating from the bile duct epithelium. Metastatic disease of IPNB is extremely rare and only reported in a small number [...]

**Tuberculosis Mimicking Disseminated Peritoneal Carcinomatosis of a Sigmoid Carcinoma.**

J Gastrointest Surg. 2019;23(4): 877-878

Fahlbusch T, Künzli B, Schlottmann R, Tannapfel A, Uhl W, Braumann C

A 76-year-old Moroccan patient with a medical history of sigmoid carcinoma suffered from weight loss of 15 kg and abdominal pain. Laparoscopy showed disseminated miliary peritoneal lesions, prima vist [...]

### **A Blood-Based Multi Marker Assay Supports the Differential Diagnosis of Early-Stage Pancreatic Cancer.**

Theranostics. 2019;9(5): 1280-1287

Berger AW, Schwerdel D, Reinacher-Schick A, Uhl W, Algül H, Friess H, Janssen KP, König A, Ghadimi M, Gallmeier E, Bartsch DK, Geissler M, Staib L, Tannapfel A, Kleger A, Beutel A, Schulte LA, Kornmann M, Ettrich TJ, Seufferlein T

The most frequent malignancy of the pancreas is the pancreatic ductal adenocarcinoma (PDAC). Despite many efforts PDAC has still a dismal prognosis.

Biomarkers for early disease stage diagnosis as a p [...]

### **Ultrasound Imaging of Hepatocellular Adenoma Using the New Histology Classification.**

Ultrasound Med Biol. 2019;45(1): 1-10

Dietrich CF, Tannapfel A, Jang HJ, Kim TK, Burns PN, Dong Y

Hepatocellular adenoma is a rare benign liver tumor. Predisposing factors include hepatic storage diseases and some genetic conditions. A new histology-based classification has been proposed but to da [...]

### **Triggers of histologically suspected drug-induced colitis.**

World J Gastroenterol. 2019;25(8): 967-979

Brechmann T, Günther K, Neid M, Schmiegel W, Tannapfel A

Drug toxicity is a common and even serious problem in the gastrointestinal tract that is thought to be caused by a broad spectrum of agents. Although withdrawal of the causative agent would cure the d [...]

### **Clinical Relevance of Antinuclear Antibodies (ANA) in Patients with Hypersensitivity Pneumonitis (HP): A Single Centre Experience**

Am J Respir Crit Care Med. 2018;197: -

Bonella F, Sennekamp J, Joest M, Rolke M, Ohshimo S, Guzman J, Taube C, Costabel U

### **mFOLFOXIRI plus Panitumumab versus FOLFOXIRI as first-line treatment in patients with RAS wild-type metastatic colorectal cancer m(CRC): a randomized phase II VOLFI trial of the AIO (AIO-KRK0109)**

Ann Oncol. 2018;29 5: -

Geissler M, Klingler T, Riera-Knorrenschild J, Tannapfel A, Seufferlein T, Held S, Florschütz A, Kanzler S, Heinemann V, Reinacher-Schick A, Martens U

**A composite liquid biomarker for non-invasive diagnosis of resectable pancreatic ductal adenocarcinoma**

Ann Oncol. 2018;29 8: -

Berger AW, Ettrich TJ, Schwerdel D, Reinacher-Schick A, Algül H, König AO, Gallmeier E, Wille K, Daum S, Geissler M, Tannapfel A, Uhl W, Seufferlein T

**1st-line mFOLFOXIRI plus panitumumab vs FOLFOXIRI treatment of RAS wt mCRC: A randomized phase II VOLFI trial of the AIO (KRK-0109)**

Ann Oncol. 2018;29 8: -

Geissler M, Klingler T, Knorrenschild JR, Tannapfel A, Greeve J, Seufferlein T, Kanzler S, Held S, Heinemann V, Reinacher-Schick A, Martens UM

**Microsatellite instability is associated with distinct clinical and molecular characteristics in early colon cancer: Analysis of a molecular registry of the AIO colorectal study group - Colopredict Plus**

Ann Oncol. 2018;29 8: 174-174

Reinacher-Schick A, Juetten H, Noepel-Duenebacke S, Arnold D, Basara N, Boehner H, Dahm T, Feder I, Herzog T, Hiller W, Mueller L, Engel L, Senkal M, Teschendorf C, Trenn G, Verdoodt B, Wolters H, Uhl W, Tannapfel A

**Neoadjuvant plus adjuvant or only adjuvant nab-paclitaxel plus gemcitabine for resectable pancreatic cancer - the NEONAX trial (AIO-PAK-0313), a prospective, randomized, controlled, phase II study of the AIO pancreatic cancer group.**

BMC Cancer. 2018;18(1): 1298

Ettrich TJ, Berger AW, Perkhof L, Daum S, König A, Dickhut A, Wittel U, Wille K, Geissler M, Algül H, Gallmeier E, Atzpodien J, Kornmann M, Muche R, Prasnikar N, Tannapfel A, Reinacher-Schick A, Uhl W, Seufferlein T

Even clearly resectable pancreatic cancer still has an unfavorable prognosis. Neoadjuvant or perioperative therapies might improve the prognosis of these patients. Thus, evaluation of perioperative ch [...]

**Neuroendocrine carcinoma of the cervix: a systematic review of the literature.**

BMC Cancer. 2018;18(1): 530

Tempfer CB, Tischoff I, Dogan A, Hilal Z, Schultheis B, Kern P, Reznicek GA

Neuroendocrine carcinoma of the cervix (NECC) is a rare variant of cervical cancer. The prognosis of women with NECC is poor and there is no standardized therapy for this type of malignancy based on c [...]

### **A Distinct Oncogenerative Multinucleated Cancer Cell Serves as a Source of Stemness and Tumor Heterogeneity.**

Cancer Res. 2018;78(9): 2318-2331

Diaz-Carballo D, Saka S, Klein J, Rennkamp T, Acikelli AH, Malak S, Jastrow H, Wennemuth G, Tempfer CB, Schmitz I, Tannapfel A, Strumberg D

The effects of anticancer treatments on cell heterogeneity and their proliferative potential play an important role in tumor persistence and metastasis. However, little is known about de-polyploidizat [...]

### **Never Too Old? Occurrence of Medulloblastoma in the Elderly beyond the 70th Year of Life.**

Case Rep Neurol Med. 2018;2018: 8639404

Maslehaty H, Van de Nes J, Teuber-Hanselmann S, Moeninghoff C, Sure U, Oezkan N

The occurrence of medulloblastoma (MB) in the elderly is an absolutely rare event. Concerning this issue we report on two MB patients beyond the 70th year of life. Two patients older than 70 years pre [...]

### **Rare finding in peripheral nerve surgery: an unicentric Castleman disease presenting as median nerve tumour.**

Case Reports Plast Surg Hand Surg. 2018;5(1): 68-71

Carolus A, Schroers R, Tischoff I, Schmieder K, Brenke C

A 51 year old man presented with progressive swelling in the upper arm. MRI revealed a solitary mass extending from the median nerve. Intraoperative finding was a tumour extending within the nerve in [...]

### **[Precancerous and early stage cancer of the bile duct system].**

Chirurg. 2018;89(4): 274-280

Tautenhahn HM, Brückner S, Rauchfuß F, Donndorf F, Ardelt M, Fahrner R, Tannapfel A, Settmacher U

Early stage cancer of the bile duct system is still difficult to diagnose. In cases of suspect lesions a stepwise diagnostic procedure consisting of computed tomography (CT), magnetic resonance imagin [...]

## **Integrated Genomic Classification of Melanocytic Tumors of the Central Nervous System Using Mutation Analysis, Copy Number Alterations, and DNA Methylation Profiling.**

Clin Cancer Res. 2018;24(18): 4494-4504

Griewank KG, Koelsche C, van de Nes JAP, Schrimpf D, Gessi M, Möller I, Sucker A, Scolyer RA, Buckland ME, Murali R, Pietsch T, von Deimling A, Schadendorf D

In the central nervous system, distinguishing primary leptomeningeal melanocytic tumors from melanoma metastases and predicting their biological behavior solely using histopathologic criteria may be [...]

## **Impact of the Localization of the Primary Tumor and RAS/BRAF Mutational Status on Maintenance Strategies After First-line Oxaliplatin, Fluoropyrimidine, and Bevacizumab in Metastatic Colorectal Cancer: Results From the AIO 0207 Trial.**

Clin Colorectal Cancer. 2018;17(4): e733-e739

Noepel-Duennebacke S, Arnold D, Hertel J, Tannapfel A, Hinke A, Hegewisch-Becker S, Reinacher-Schick A

Numerous trials have examined the prognostic and predictive value of localization of the primary tumor (LPT) in metastatic colorectal cancer, there is limited information about the predictive value o [...]

## **Risk of Malignancy in Adenomas Detected During Screening Colonoscopy.**

Clin Gastroenterol Hepatol. 2018;16(11): 1754-1761

Rösch T, Altenhofen L, Kretschmann J, Hagen B, Brenner H, Pox C, Schmiegel W, Theilmeier A, Aschenbeck J, Tannapfel A, von Stillfried D, Zimmermann-Fraedrich K, Wegscheider K

A higher incidence of proximal interval cancers after colonoscopy has been reported in several follow-up studies. One possible explanation for this might be that proximally located adenomas have great [...]

## **Meta-analysis on mesocolic Excision - complete versus non-complete**

Coloproctology. 2018;40(2): 98-98

Tannapfel A

Changes in technology have made it possible to gather vast amounts of data, often of high quality, that in turn can improve the quality of wildlife biology. However, with this growth in data, practice [...]

## **CUP Syndrome-Metastatic Malignancy with Unknown Primary Tumor.**

Dtsch Arztebl Int. 2018;115(10): 157-162

Zaun G, Schuler M, Herrmann K, Tannapfel A

2-4% of newly diagnosed cases of malignant disease involve cancer of unknown primary (CUP). This mixed entity is one of the 6 most common types of malignant disease in Germany. Highly refined treatment [...]

**Impact of primary tumour location and RAS/BRAF mutational status in metastatic colorectal cancer treated with first-line regimens containing oxaliplatin and bevacizumab: Prognostic factors from the AIO KRK0207 first-line and maintenance therapy trial.**

Eur J Cancer. 2018;101: 105-113

Hegewisch-Becker S, Nöpel-Dünnebacke S, Hinke A, Graeven U, Reinacher-Schick A, Hertel J, Lerchenmüller CA, Killing B, Depenbusch R, Al-Batran SE, Lange T, Dietrich G, Tannapfel A, Arnold D

The major prognostic relevance of primary tumour location (LPT) in advanced colorectal cancer was shown in large retrospective studies, but quantitative estimates are highly heterogeneous, and there i [...]

**Perioperative chemotherapy with or without epidermal growth factor receptor blockade in unselected patients with locally advanced oesophagogastric adenocarcinoma: Randomized phase II study with advanced biomarker program of the German Cancer Society (AIO/**

Eur J Cancer. 2018;93: 119-126

Stahl M, Maderer A, Lordick F, Mihaljevic AL, Kanzler S, Hoehler T, Thuss-Patience P, Mönig S, Kunzmann V, Schroll S, Sandermann A, Tannapfel A, Meyer HJ, Schuhmacher C, Wilke H, Moehler M, Arbeitsgemeinschaft Internistische Onkologie (AIO) Oesophageal and Gastric Cancer Working Group and the Chirurgische Arbeitsgemeinschaft Onkologie (CA

Perioperative chemotherapy significantly improves survival in patients with locally advanced oesophagogastric cancer (EGC). However, as approximately 60% of patients will die from their disease, new t [...]

**Modified GAP stage as a predictor of acute exacerbation in idiopathic pulmonary fibrosis**

Eur Respir J. 2018;52 62: -

Ohshimo S, Kida Y, Kyo M, Horimasu Y, Miyamoto S, Iwamoto H, Hamada H, Hattori N, Bonella F, Guzman J, Costabel U, Shime N

**Olfactory Receptors as Biomarkers in Human Breast Carcinoma Tissues.**

Front Oncol. 2018;8: 33

Weber L, Maßberg D, Becker C, Altmüller J, Ubrig B, Bonatz G, Wölk G, Philippou S, Tannapfel A, Hatt H, Gisselmann G

Olfactory receptors (ORs) are known to be expressed in a variety of human tissues and act on different physiological processes, such as cell migration, proliferation, or secretion and have been found [...]

**Amphiregulin (AREG) and Epiregulin (EREG) Gene Expression as Predictor for Overall Survival (OS) in Oxaliplatin/Fluoropyrimidine Plus Bevacizumab Treated mCRC Patients-Analysis of the Phase III AIO KRK-0207 Trial.**

Front Oncol. 2018;8: 474

Stintzing S, Ivanova B, Ricard I, Jung A, Kirchner T, Tannapfel A, Jütte H, Hegewisch-Becker S, Arnold D, Reinacher-Schick A

The EGFR (epithelial growth factor receptor) ligands amphiregulin (AREG) and epiregulin (EREG) have been considered as predictors for EGFR-antibody efficacy. The effect of AREG and EREG expression le [...]

**Characterization of the Olfactory Receptor OR10H1 in Human Urinary Bladder Cancer.**

Front Physiol. 2018;9: 456

Weber L, Schulz WA, Philippou S, Eckardt J, Ubrig B, Hoffmann MJ, Tannapfel A, Kalbe B, Gisselmann G, Hatt H

Olfactory receptors (ORs) are a large group of G-protein coupled receptors predominantly found in the olfactory epithelium. Many ORs are, however, ectopically expressed in other tissues and involved i [...]

**SIMULTANEOUS PET/MRI ENTEROGRAPHY WITH 18F-FDG PET/MRI IN PREDICTING HISTOLOGICAL HEALING IN ULCERATIVE COLITIS: A PROSPECTIVE SEGMENT-BASED STUDY USING THE RILEY AND THE NANCY INDEX**

Gastroenterology. 2018;154 1(6): S1069-S1069

Langhorst J, Li Y, Schroder D, Dobos G, Jutte H, Tannapfel A, Umutlu L

**MONITORING HISTOLOGICAL ACTIVITY IN ULCERATIVE COLITIS CORRELATION OF FECAL BIOMARKERS WITH THE RILEY SCORE AND THE NANCY INDEX**

Gastroenterology. 2018;154 1(6): S595-S595

Langhorst J, Schroder D, Koch AK, Dobos G, Boone JH, Rueffer A, Jutte H, Tannapfel A

**Histological findings and lung dust analysis as the basis for occupational disease compensation in asbestos-related lung cancer in Germany.**

Int J Occup Med Environ Health. 2018;31(3): 293-305

Feder IS, Theile A, Tannapfel A

This study has researched the significance of histologically raised findings and lung dust analyses in the context of claiming the recognition of and thus compensation for an asbestos-associated occup [...]

**Authors' response (March 14, 2018) to the letter to the Editor concerning the paper "Histological findings and lung dust analysis as the basis for occupational disease compensation in asbestos-related lung cancer in Germany".**

Int J Occup Med Environ Health. 2018;31(6): 841-843

Feder IS, Theile A, Tannapfel A

**Authors' response (April 30, 2018) to the letter to the editor concerning the paper "Histological findings and lung dust analysis as the basis for occupational disease compensation in asbestos-related lung cancer in Germany".**

Int J Occup Med Environ Health. 2018;31(6): 849-851

Feder IS, Theile A, Tannapfel A

**Predictive Significance of endosonographic (EUS) Staging in locally advanced gastric Adenocarcinoma of the Stomach (MC) or esophagogastric Junction (AEG)-Analysis of Data from a perioperative AIO-CAO Phase II Study**

Internist. 2018;59 1: S43-S44

Sivanathan V, Stahl M, Utz C, Maderer A, Lordick F, Mihaljevic A, Kanzler S, Hohler T, Thuss-Patience P, Monig S, Kunzmann V, Schroll S, Sandermann A, Tannapfel A, Meyer HJ, Schuhmacher C, Wilke HJ, Krause K, Mohler M

**Integrating spatial, morphological, and textural information for improved cell type differentiation using Raman microscopy**

J Chemom. 2018;32(1): e2973-

Krauss SD, Yosef HK, Lechtonen T, Jutte H, Tannapfel A, Kafferlein HU, Bruning T, Roghmann F, Noldus J, El-Mashtoly SF, Gerwert K, Mosig A

Raman microscopy is a well-established tool for distinguishing different cell types in cell biological or cytopathological applications, since it can provide maps that show the specific distribution o [...]



**Thirty-eight-negative kinase 1 mediates trauma-induced intestinal injury and multi-organ failure.**

J Clin Invest. 2018;128(11): 5056-5072

Armacki M, Trugenberg AK, Ellwanger AK, Eiseler T, Schwerdt C, Bettac L, Langgartner D, Azoitei N, Halbgebauer R, Groß R, Barth T, Lechel A, Walter BM, Kraus JM, Wiegrefe C, Grimm J, Scheffold A, Schneider MR, Peuker K, Zeißig S, Britsch S, Rose-John S, Vettorazzi S, Wolf E, Tannapfel A, Steinestel K, Reber SO, Walther P, Kestler HA, Radermacher P, Barth TF, Huber-Lang M, Kleger A, Seufferlein T

Dysregulated intestinal epithelial apoptosis initiates gut injury, alters the intestinal barrier, and can facilitate bacterial translocation leading to a systemic inflammatory response syndrome (SIRS) [...]

**Serial analysis of mutant KRAS in circulation cell-free DNA (cfDNA) of patients with KRAS mutant metastatic colorectal cancer: A translational study of the KRK0207 trial.**

J Clin Oncol. 2018;36 S(15): -

Siveke JT, Lueong S, Hinke A, Herbst A, Tannapfel A, Reinacher-Schick AC

**mFOLFOXIRI plus panitumumab versus FOLFOXIRI as first-line treatment in patients with RAS wild-type metastatic colorectal cancer m(CRC): A randomized phase II VOLFI trial of the AIO (AIO-KRK0109).**

J Clin Oncol. 2018;36 S(15): -

Geissler M, Riera-Knorrenschild J, Tannapfel A, Greeve J, Florschütz A, Wessendorf S

**Monitoring histological activity in ulcerative colitis: correlation of faecal biomarkers with the Riley Score and the Nancy Index**

J Crohns Colitis. 2018;12 1: S200-S200

Langhorst J, Schroeder D, Koch A, Boone J, Rueffer A, Jütte H, Tannapfel A

**FOLFIRINOX treatment leading to pathologic complete response of a locally advanced pancreatic cancer.**

J Gastrointest Oncol. 2018;9(2): E9-E12

Luu AM, Herzog T, Hoehn P, Reinacher-Schick A, Munding J, Uhl W, Braumann C

Pancreatic cancer (PC) is a lethal disease with a poor prognosis. It is typically asymptomatic and therefore most often diagnosed at an advanced stage. A primary unresectable PC can become resectable [...]

**Inflammation driven hepatocarcinogenesis is associated with a progenitor-like phenotype and Trp53 dependent differentiation**

J Hepatol. 2018;68 1: S666-S666

Svinarenko M, Sarah-Fee K, Maier H, Sunami Y, Tannapfel A, Seufferlein T, Lechel A

**Histopathological changes resulting from selective internal radiotherapy (SIRT).**

J Surg Oncol. 2018;117(5): 1084-1091

Justinger C, Gruden J, Kouladouros K, Stravodimos C, Reimer P, Tannapfel A, Binnenhei M, Bentz M, Tatsch K, Rüdiger T, Schön MR

Selective internal radiotherapy (SIRT) has emerged as an effective therapy for patients with liver malignancies. Here, we report our analysis of histopathological changes in tumors and healthy liver t [...]

**Ocular Metastasis of Bronchial Typical Carcinoid.**

J Thorac Oncol. 2018;13(9): 1422-1423

Guo Y, Shao C, Blau T, Tannapfel A, Koch KR, Heindl LM

**Alterations in Titin Properties and Myocardial Fibrosis Correlate With Clinical Phenotypes in Hemodynamic Subgroups of Severe Aortic Stenosis.**

Journal of the American College of Cardiology. Basic to translational science. 2018;3(3): 335-346

Gotzmann M, Grabbe S, Schöne D, von Frieling-Salewsky M, Dos Remedios CG, Strauch J, Bechtel M, Dietrich JW, Tannapfel A, Mügge A, Linke WA

Titin-isoform expression, titin phosphorylation, and myocardial fibrosis were studied in 30 patients with severe symptomatic aortic stenosis (AS). Patients were grouped into "classical" high-gradient, [...]

**Characterisation of pro- and antiinflammatory mechanisms in the gut mucosa of patients with multiple sclerosis**

Mult Scler. 2018;24 2: 186-186

Leichsenring T, Hauptelshofer S, Tannapfel A, Gold R, Kleiter I

**Intraventricular melanocytoma diagnosis confirmed by gene mutation profile.**

Neuropathology. 2018;38(3): 288-292

Knappe UJ, Tischoff I, Tannapfel A, Reinbold WD, Möller I, Sucker A, Schadendorf D, Griewank KG, van de Nes JAP

Primary leptomeningeal melanocytic tumors (PLMTs) are rare. They usually arise along the spinal cord and at the skull base. Here we report on a patient with a very rare intraventricular melanocytoma. [...]

**Long-term outcomes of patients with soft tissue sarcoma of the chest wall: Analysis of the prognostic significance of microscopic margins.**

Oncol Lett. 2018;15(2): 2179-2187

Harati K, Kolbenschlag J, Bohm J, Niggemann H, Joneidi-Jafari H, Stricker I, Lehnhardt M, Daigeler A

Data on prognostic factors and treatment outcomes for chest wall soft tissue sarcomas (STS) are sparse. Wide resections with negative margins are the mainstay of therapy, but the prognostic impact of [...]

**Circumferential Resection Margin influences long term survival after pancreatic adenocarcinoma**

Oncology research and treatment. 2018;41 1: 171-171

Weyhe D, Uslar V, Sahlmann B, Tannapfel A

**Perioperative chemotherapy plus +/- EGFR inhibition in unselected patients with locally advanced esophagogastric cancer: a randomized phase II study with a large advanced biomarker program of the German Cancer Society (AIO/CAO STO-0801)**

Oncology research and treatment. 2018;41 1: 69-69

Moehler M, Maderer A, Lordick F, Tannapfel A, Kanzler S, Hoehler T, Thuss-Patience P, Monig S, Meyer HJ, Wilke H, Stahl MK

**mFOLFOXIRI plus Panitumumab versus FOLFOXIRI as first-line treatment in patients with RAS wild-type metastatic colorectal cancer m(CRC): an update of the randomized phase II VOLFI trial of the AIO (AIO-KRK0109)**

Oncology research and treatment. 2018;41 4: 120-120

Geissler M, Klingler T, Tannapfel A, Riera-Knorrenschild J, Held S, Greeve J, Wessendorf S, Seufferlein T, Kanzler S, Heinemann V, Reinacher-Schick A, Martens U

**[Meeting of the Gastroenteropathology Working Group on 24 May 2018 : 102nd annual conference of the German Society of Pathology in Berlin].**

Pathologe. 2018;39(Suppl 2): 322-323

Tannapfel A

**Using Fat Grafting to Treat Breast Implant Capsular Contracture.**

Plast Reconstr Surg Glob Open. 2018;6(11): e1969

Papadopoulos S, Vidovic G, Neid M, Abdallah A

Capsular contracture is a frequent complication of breast augmentation and reconstruction that affects up to 30% of patients. The authors describe the effect of fat grafting on capsular contracture us [...]

**Quantum Cascade Laser-Based Infrared Microscopy for Label-Free and Automated Cancer Classification in Tissue Sections.**

Sci Rep. 2018;8(1): 7717

Kuepper C, Kallenbach-Thieltges A, Juette H, Tannapfel A, Großerueschkamp F, Gerwert K

A feasibility study using a quantum cascade laser-based infrared microscope for the rapid and label-free classification of colorectal cancer tissues is presented. Infrared imaging is a reliable, robust [...]

**BILE DUCT DAMAGE AFTER COLD STORAGE OF DECEASED DONOR AND LIVING DONORS LIVERS AFTER LIVER TRANSPLANTATION**

Transpl Int. 2018;31 5: 16-16

Bauschke A, Altendorf-Hofmann A, Katenkamp K, Mireskandari M, Rauchfuss F, Tautenhahn M, Theis B, Tannapfel A, Settmacher U

**Acinar Cell Cystadenoma - a Rarity in Advanced von Hippel-Lindau Disease: A Case Report.**

Visc Med. 2018;34(1): 73-75

Fahlbusch T, Tannapfel A, Uhl W, Braumann C

Von Hippel-Lindau (VHL) disease may occur at various localisations which can be both intra- and extrapancreatic as well as challenging to diagnose by medical imaging. A positron emission tomography/mag [...]

**Rho-associated protein kinase 2 (ROCK2): a new target of autoimmunity in paraneoplastic encephalitis.**

Acta Neuropathol Commun. 2017;5(1): 40

Popkirov S, Ayzenberg I, Hahn S, Bauer J, Denno Y, Rieckhoff N, Radzimski C, Hans VH, Berg S, Roghmann F, Noldus J, Bien CG, Skodda S, Wellmer J, Stöcker W, Krogias C, Gold R, Schlegel U, Probst C, Komorowski L, Miske R, Kleiter I

Onconeural antibodies are associated with cancer and paraneoplastic encephalitis. While their pathogenic role is still largely unknown, their high diagnostic value is undisputed. In this study we desc [...]

### **Potential Utility Of Anti Dfs70 Antibodies To Exclude Systemic Autoimmune Rheumatic Disease (sard) In Patients With Interstitial Lung Disease (ild)**

Am J Respir Crit Care Med. 2017;195: -

Bonella F, Lyu Y, Theegarten D, Boerner E, Wessendorf T, Guzman J, Costabel U, Kreuter M

### **Helicobacter Pylori As A Risk Factor For Acute Exacerbation In Idiopathic Pulmonary Fibrosis**

Am J Respir Crit Care Med. 2017;195: -

Ohshimo S, Nishi H, Horimasu Y, Iwamoto H, Hamada H, Hattori N, Kohno N, Bonella F, Guzman J, Costabel U, Shime N

### **Noninvasive Diagnosis of High-Grade Urothelial Carcinoma in Urine by Raman Spectral Imaging.**

Anal Chem. 2017;89(12): 6893-6899

Yosef HK, Krauß SD, Lehtonen T, Jütte H, Tannapfel A, Käfferlein HU, Brüning T, Roghmann F, Noldus J, Mosig A, El-Mashtoly SF, Gerwert K

The current gold standard for the diagnosis of bladder cancer is cystoscopy, which is invasive and painful for patients. Therefore, noninvasive urine cytology is usually used in the clinic as an adjun [...]

### **Virtual staining of colon cancer tissue by label-free Raman micro-spectroscopy.**

Analyst. 2017;142(8): 1207-1215

Petersen D, Mavarani L, Niedieker D, Freier E, Tannapfel A, Kötting C, Gerwert K, El-Mashtoly SF

The great capability of the label-free classification of tissue via vibrational spectroscopy, like Raman or infrared imaging, is shown in numerous publications (review: Diem et al., J. Biophotonics, 2 [...])

### **mFOLFOXIRI plus panitumumab versus FOLFOXIRI as first-line treatment in patients with RAS wild-type metastatic colorectal cancer m(CRC): A randomized phase II VOLFI trial of the AIO (AIO-KRK0109)**

Ann Oncol. 2017;28 5: -

Geissler M, Martens UM, Knorrenschild R, Greeve J, Florschuetz A, Tannapfel A, Wessendorf S, Seufferlein T, Kanzler S, Heinemann V, Held S, Reinacher-Schick A

**Melanoma of the Vagina: Case Report and Systematic Review of the Literature.**

Anticancer Res. 2017;37(12): 6911-6920

Rapi V, Dogan A, Schultheis B, Hartmann F, Rezniczek GA, Tempfer CB

Primary melanoma of the vagina (PMV) is a rare entity. The prognosis of women with PMV is poor and there is no standardized therapy for this type of malignancy. We present the case of a 72-year-old wo [...]

**Intraperitoneal cisplatin and doxorubicin as maintenance chemotherapy for unresectable ovarian cancer: a case report.**

BMC Cancer. 2017;17(1): 26

Tempfer CB, Hartmann F, Hilal Z, Rezniczek GA

Primary advanced, unresectable ovarian cancer (OC) is treated with palliative systemic chemotherapy. Intraperitoneal chemotherapy may be an alternative local maintenance therapy. A 75 year old woman wi [...]

**Paraneoplastic acral vascular syndrome in a patient with metastatic melanoma under immune checkpoint blockade.**

BMC Cancer. 2017;17(1): 327

Gambichler T, Strutzmann S, Tannapfel A, Susok L

Paraneoplastic acral vascular syndrome (PAVS) is a rare phenomenon which is observed in patients with adenocarcinomas and other malignancies. Various

potential pathogenic mechanisms such as tumour inv [...]

**[A rare cause of ileus].**

Chirurg. 2017;88(1): 58-61

Reinke MA, Heisler H, Yushkevich S, Hoja T, Tannapfel A, Zeh A

**CME or traditional surgery for right-sided colon cancer? Protocol of a registry-based multicenter prospective non-randomized trial (RESECTAT trial)**

Coloproctology. 2017;39(3): 184-189

Benz S, Stricker I, Tam Y, Tannapfel A

One of the big controversies in colorectal cancer research is whether complete mesocolic excision (CME) offers a benefit for patients with carcinoma of the right colon or whether it might even harm th [...]

### **Are Colitis-associated Tumors different from sporadic colorectal Cancers?**

Der Gastroenterologe. 2017;12(3): 176-176

Tannapfel A

### **Therapy Goal of mucosal Healing for Patients with CIBD**

Der Gastroenterologe. 2017;12(3): 176-176

Tannapfel A

### **Pathological classification and diagnosis of esophageal and gastric cancer**

Der Gastroenterologe. 2017;12(5): 394-400

Foerster S, Tannapfel A

Cancers of the esophagus, esophagogastric junction, and stomach demonstrate a considerable overlap in terms of histological types and molecular pathology. However, due to prognostic relevance, their t [...]

### **Histological changes in endocrine and exocrine pancreatic tissue from patients exposed to incretin-based therapies (vol 18, pg 1253, 2016)**

Diabetes Obes Metab. 2017;19(2): 306-306

Ueberberg S, Jutte H, Uhl W, Schmidt WE, Nauck MA, Montanya E, Tannapfel A, Meier JJ

### **Chronic Tongue Swelling Due to Light-Chain Amyloidosis (AL) in Multiple Myeloma.**

Dtsch Arztebl Int. 2017;114(25): 425

Scheer M, Kellner U, Grieshammer M

### **[Fulminant Course of a Clostridium Perfringens Infection with Pathognomonic CT finding].**

Dtsch Med Wochenschr. 2017;142(10): 747-751

Stückle CA, Sonntag C, Kulik M, Nitschke T

History and clinical findings A 74-year old woman was accepted by the emergency room with severe chest and abdominal pain. She complained about regurgitation after ingestion of food followed by sharp [...]

**New insights into the imprinted MEG8-DMR in 14q32 and clinical and molecular description of novel patients with Temple syndrome.**

Eur J Hum Genet. 2017;25(8): 935-945

Beygo J, Küchler A, Gillessen-Kaesbach G, Albrecht B, Eckle J, Eggermann T, Gellhaus A, Kanber D, Kordaß U, Lüdecke HJ, Purmann S, Rossier E, van de Nes J, van der Werf IM, Wenzel M, Wiczorek D, Horsthemke B, Buiting K

The chromosomal region 14q32 contains several imprinted genes, which are expressed either from the paternal (DLK1 and RTL1) or the maternal (MEG3, RTL1as and MEG8) allele only. Imprinted expression of [...]

**Serum YKL-40 as predictor of outcome in hypersensitivity pneumonitis.**

Eur Respir J. 2017;49(2)

Long X, He X, Ohshimo S, Griese M, Sarria R, Guzman J, Costabel U, Bonella F

YKL-40, a chitinase-like protein mainly secreted by macrophages, neutrophils and epithelial cells, is increased in patients with idiopathic interstitial pneumonia and sarcoidosis. We aimed to investig [...]

**The asbestos fibre burden in human lungs: new insights into the chrysotile debate**

Eur Respir J. 2017;49(6): -

Feder IS, Tischoff I, Theile A, Schmitz I, Merget R, Tannapfel A

The traceability of asbestos fibres in human lungs is a matter of discussion especially for chrysotile. This issue is of high significance for differential diagnosis, risk assessment and occupational [...]

**Correspondence regarding the article "The asbestos fibre burden in human lungs: new insights into the chrysotile debate".**

Eur Respir J. 2017;50(6)

Feder IS, Tischoff I, Theile A, Schmitz I, Merget R, Tannapfel A

**Differential diagnosis of granulomatous lung disease: clues and pitfalls: Number 4 in the Series "Pathology for the clinician" Edited by Peter Dorfmueller and Alberto Cavazza.**

Eur Respir Rev. 2017;26(145)



Ohshimo S, Guzman J, Costabel U, Bonella F

Granulomatous lung diseases are a heterogeneous group of disorders that have a wide spectrum of pathologies with variable clinical manifestations and outcomes. Precise clinical evaluation, laboratory [...]

### **Acute-on-Chronic Liver Failure with Complicating Pancreatitis After Autochthonous Hepatitis E Infection**

Hepat Mon. 2017;17(11): e14039-

Peter J, Stallmach A, Tannapfel A, Bruns T

Hepatitis E virus infection (HEV) is the most common cause of acute viral hepatitis in the world. Genotypes 1 and 2 are responsible for large outbreaks and sporadic cases in the developing countries, [...]

### **[A 59-year-old woman with upper abdominal pain and fever].**

Internist (Berl). 2017;58(10): 1090-1096

Christ JBM, Tannapfel A, Kukuk G, Schlottmann K, Straßburg C, Schneidewind A

A 59-year-old woman suffered from fever and upper abdominal pain. The computed tomography (CT) scan revealed a liver lesion. Conventional imaging techniques (CT, magnetic resonance imaging, contrast-e [...]

### **Frequent GNAQ, GNA11, and EIF1AX Mutations in Iris Melanoma.**

Invest Ophthalmol Vis Sci. 2017;58(9): 3464-3470

Scholz SL, Möller I, Reis H, Süßkind D, van de Nes JAP, Leonardelli S, Schilling B, Livingstone E, Schimming T, Paschen A, Sucker A, Murali R, Steuhl KP, Schadendorf D, Westekemper H, Griewank KG

The most common malignant intraocular tumors with a high mortality in adults are uveal melanomas. Uveal melanomas arise most frequently in the choroid or ciliary body (97%) and rarely in the iris (3%) [...]

### **Immunohistochemical and molecular characterizations in urothelial carcinoma of bladder in patients less than 45 years.**

J Cancer. 2017;8(3): 323-331

Weyerer V, Schneckenpointner R, Filbeck T, Burger M, Hofstaedter F, Wild PJ, Fine SW, Humphrey PA, Dehner LP, Amin MB, Rüschoff J, Boltze C, Tannapfel A, Zwarthoff E, Lopez-Beltran A, Montironi R, Langner C, Stoehr R, Hartmann A, Giedl J

Bladder tumours in early-onset patients are rare and seem to exhibit unique clinicopathological features. Only few studies have investigated somatic alterations in this specific age of onset group and [...]

**HER2 testing in gastric cancer: results of a German expert meeting.**

J Cancer Res Clin Oncol. 2017;143(5): 835-841

Lordick F, Al-Batran SE, Dietel M, Gaiser T, Hofheinz RD, Kirchner T, Kreipe HH, Lorenzen S, Möhler M, Quaas A, Röcken C, Rüschoff J, Tannapfel A, Thuss-Patience P, Baretton G

Valid HER2 testing is essential for optimal therapy of patients with HER2-positive gastric cancer and the correct use of first-line chemotherapy. While testing for HER2 status in breast cancer is rout [...]

**Association of microsatellite instability with distinct clinical and molecular characteristics in resected colon cancer: Analysis of a platform trial of the AIO colorectal study group-Colopredict Plus.**

J Clin Oncol. 2017;35 15: -

Reinacher-Schick AC, Juette H, Noepel-Duenebacke S, Arnold D, Basara N, Boehner H, Dahnn T, Feder IS, Hansen O, Hiller W, Leins A, Muller L, Ueberrueck T, Teschendorf C, Trenn G, Verdoodt B, Zwingmann N, Uhl W, Tannapfel A

**Localization of the primary tumor (LPT) and maintenance strategies after first line oxaliplatin (Ox), fluoropyrimidine (FP), and bevacizumab (Bev) in metastatic colorectal cancer (mCRC): Results from the AIO 0207 trial.**

J Clin Oncol. 2017;35 15: -

Reinacher-Schick AC, Noepel-Duenebacke S, Hertel J, Tannapfel A, Arnold D, Hinke A, Hegewisch-Becker S

**Surprising Twist in the Plot - Sister Mary Joseph's Nodule of Pancreatic Cancer Mimicking Wound Infection after Umbilical Hernia Repair.**

J Gastrointest Cancer. 2017;

Luu AM, Meurer K, Herzog T, Munding J, Uhl W, Braumann C

**Chromosomal aberrations are effected by transformation-related protein 53 deletion in inflammation induced hepatocarcinogenesis**

J Hepatol. 2017;66 S(1): S464-S464

Svinarenko M, Katz SF, Fischer S, Maier H, Tannapfel A, Seufferlein T, Lechel A

**Activating CYSLTR2 and PLCB4 Mutations in Primary Leptomeningeal Melanocytic Tumors.**

J Invest Dermatol. 2017;137(9): 2033-2035

van de Nes JAP, Koelsche C, Gessi M, Möller I, Sucker A, Scolyer RA, Buckland ME, Pietsch T, Murali R, Schadendorf D, Griewank KG

**Migrating pleural plaque in a patient with asbestos induced pleural disease: a case report.**

J Occup Med Toxicol. 2017;12: 25

Eisenhawer C, Felten MK, Hager T, Gronostayskiy M, Bruners P, Tannapfel A, Kraus T

Health surveillance of formerly asbestos exposed individuals focus on early detection of asbestos related diseases, such as lung fibrosis (asbestosis), pleural plaques, mesothelioma and lung cancer in [...]

**Activating cysteinyl leukotriene receptor 2 (CYSLTR2) mutations in blue nevi.**

Mod Pathol. 2017;30(3): 350-356

Möller I, Murali R, Müller H, Wiesner T, Jackett LA, Scholz SL, Cosgarea I, van de Nes JA, Sucker A, Hillen U, Schilling B, Paschen A, Kutzner H, Rütten A, Böckers M, Scolyer RA, Schadendorf D, Griewank KG

Blue nevi are common melanocytic tumors arising in the dermal layer of the skin. Similar to uveal melanomas, blue nevi frequently harbor GNAQ and GNA11 mutations. Recently, recurrent CYSLTR2 and PLCB4 [...]

**SF3B1 and BAP1 mutations in blue nevus-like melanoma.**

Mod Pathol. 2017;30(7): 928-939

Griewank KG, Müller H, Jackett LA, Emberger M, Möller I, van de Nes JA, Zimmer L, Livingstone E, Wiesner T, Scholz SL, Cosgarea I, Sucker A, Schimming T, Hillen U, Schilling B, Paschen A, Reis H, Mentzel T, Kutzner H, Rütten A, Murali R, Scolyer RA, Schadendorf D

Blue nevi are melanocytic tumors originating in the cutaneous dermis. Malignant tumors may arise in association with or resembling blue nevi, so called 'blue nevus-like melanoma', which can metastasize [...]

**Blood-based detection of RAS mutations to guide anti-EGFR therapy in colorectal cancer patients: concordance of results from circulating tumor DNA and tissue-based RAS testing.**

Mol Oncol. 2017;11(2): 208-219

Schmiegel W, Scott RJ, Dooley S, Lewis W, Meldrum CJ, Pockney P, Draganic B, Smith S, Hewitt C, Philimore H, Lucas A, Shi E, Namdarian K, Chan T, Acosta D, Ping-Chang S, Tannapfel A, Reinacher-Schick A, Uhl W, Teschendorf C, Wolters H, Stern J, Viebahn R, Friess H, Janssen KP, Nitsche U, Slotta-Huspenina J, Pohl M,

Vangala D, Baraniskin A, Dockhorn-Dworniczak B, Hegewisch-Becker S, Ronga P, Edelstein DL, Jones FS, Hahn S, Fox SB

An accurate blood-based RAS mutation assay to determine eligibility of metastatic colorectal cancer (mCRC) patients for anti-EGFR therapy would benefit clinical practice by better informing decisions [...]

**Trigemino-autonomic headache and Horner syndrome as a first sign of granulomatous hypophysitis.**

Neurol Neuroimmunol Neuroinflamm. 2017;4(3): e332

Motte J, Kreitschmann-Andermahr I, Fisse AL, Börnke C, Schroeder C, Pitarokoili K, Müller O, Lukas C, van de Nes J, Buslei R, Gold R, Ayzenberg I

To report a rare case of incipient granulomatous hypophysitis presenting by atypical trigemino-autonomic cephalgia (TAC) and Horner syndrome. The patient was investigated with repeated brain MRI, CSF [...]

**Effect of surgical margins on prognosis in aggressive fibromatosis: A single-institutional analysis of 90 patients.**

Oncol Lett. 2017;14(5): 5129-5134

Harati K, Jaenisch A, Behr B, Goertz O, Harati A, Hirsch T, Stricker I, Lehnhardt M, Daigeler A

The treatment of aggressive fibromatosis poses a therapeutic challenge in an interdisciplinary setting. The extent of surgical resection is still discussed controversially. The present retrospective a [...]

**Soft Tissue Sarcomas of the Extremities: Surgical Margins Can Be Close as Long as the Resected Tumor Has No Ink on It.**

Oncologist. 2017;22(11): 1400-1410

Harati K, Goertz O, Pieper A, Daigeler A, Joneidi-Jafari H, Niggemann H, Stricker I, Lehnhardt M

Soft tissue sarcomas (STS) arising in the extremities pose a therapeutic challenge due to concerns of functional morbidity. Resections with negative margins are the mainstay of therapy, but the progno [...]

**mFOLFOXIRI plus Panitumumab versus FOLFOXIRI as first-line treatment in patients with RAS wild-type metastatic colorectal cancer m(CRC): a randomized phase II VOLFI trial of the AIO (AIO-KRK0109)**

Oncology research and treatment. 2017;40 3: 123-123

Geissler M, Martens U, Knorrenschild JR, Greeve J, Florschütz A, Tannapfel A, Monnich H, Ettrich T, Kanzler S, Buchner-Steudel P, Heinemann V, Held S, Reinacher-Schick A, Hebart H, Atzpodien J, Egger M, Lindig U, Müller C, AIO

**Perioperative chemotherapy with docetaxel, oxaliplatin and fluorouracil/leucovorin (FLOT) versus epirubicin, cisplatin and fluorouracil or capecitabine (ECF/ECX) for resectable gastric or gastroesophageal junction (GEJ) adenocarcinoma (FLOT4-AIO): a rando**

Oncology research and treatment. 2017;40 3: 200-201

Al-Batran SE, Pauligk C, Homann N, Schmalenberg H, Kopp HG, Haag GM, Luley KB, Schmiegel W, Folprecht G, Probst S, Prasnikar N, Thuss-Patience P, Fischbach W, Trojan J, Koenigsmann M, Goetze TO, Kraus TW, Battmann A, Moenig SP, Bechstein W, Gaiser T, Tannapfel A, Jäger E, Schuler M, Lindig U, Pohl M, Kasper S, Mohler M, Hofheinz RD

**Soluble chemokine (C-X-C motif) ligand 16 (CXCL16) in urine as a novel biomarker candidate to identify high grade and muscle invasive urothelial carcinomas.**

Oncotarget. 2017;8(62): 104946-104959

Lang K, Bonberg N, Robens S, Behrens T, Hovanec J, Deix T, Braun K, Roghmann F, Noldus J, Harth V, Jöckel KH, Erbel R, Tam YC, Tannapfel A, Käfferlein HU, Brüning T

Information on biomarkers of urothelial carcinomas (UC) for clinical decision-making is limited. Here, we newly identified and verified CXCL16 as a promising novel biomarker in urine for high grade an [...]

**[Current diagnostics and therapy recommendations for ocular basal cell carcinoma].**

Ophthalmologe. 2017;114(3): 224-236

Kakkassery V, Loeffler KU, Sand M, Koch KR, Lentzsch AM, Nick AC, Adamietz IA, Heindl LM

The treatment options for basal cell carcinoma (BCC) have recently been augmented with the introduction of novel chemotherapeutic drugs. New S2 guidelines on the disease have also been published. The [...]

**[Mesothelioma].**

Pathologe. 2017;38(6): 547-560

Tischhoff I, Tannapfel A

Malignant mesotheliomas are rare and aggressive tumours arising from mesothelial cells of the pleura and peritoneum. Infrequent sites of origin are the pericardium and tunica vaginalis testis. More th [...]

**[Meeting of the working group on gastroenteropathology on 22nd June 2017 : 101st conference of the German Society of Pathology].**

Pathologe. 2017;38(Suppl 2): 220-221

Tannapfel A

**FAM13A polymorphism as a prognostic factor in patients with idiopathic pulmonary fibrosis.**

Respir Med. 2017;123: 105-109

Hirano C, Ohshimo S, Horimasu Y, Iwamoto H, Fujitaka K, Hamada H, Hattori N, Shime N, Bonella F, Guzman J, Costabel U, Kohno N

Family with sequence similarity 13, member A (FAM13A) variants have been associated with susceptibility to chronic lung diseases. A recent genome-wide association study has shown an association betwee [...]

**Serum YKL-40 is a reliable biomarker for pulmonary alveolar proteinosis.**

Respirology. 2017;22(7): 1371-1378

Bonella F, Long X, He X, Ohshimo S, Griese M, Guzman J, Costabel U

Pulmonary alveolar proteinosis (PAP) is a rare disease characterized by alveolar filling. YKL-40, a chitinase-like protein produced by macrophages and epithelial cells, is increased in patients with i [...]

**Peritoneal malignant mesothelioma, deciduoid pattern in a young patient: A case report**

Virchows Arch. 2017;471 1: S253-S253

Seifert L, Knolle J, Krause U, Tannapfel A, Plauth M, Stock K

**RAS Registry: Molecular pathological analysis of RAS mutations in mCRC**

Virchows Arch. 2017;471 1: S33-S34

Schirmacher P, Tannapfel A, Dietel M, Rocken C, Buttner R, Chen Y, Aigner T, Haas C, Knolle J, Kellner U, Streckert HJ, Reineke-Plaass T, Meier T, Sterlacci W, Bittmann I, Streubel A, Schildgen V, Steinbach-Buchert AK, Krenzer S, Baretton GB

**Somatic Leiomyosarcoma of the Soft Tissues: A Single-Institutional Analysis of Factors Predictive of Survival in 164 Patients.**

World J Surg. 2017;41(6): 1534-1541

Harati K, Daigeler A, Lange K, Niggemann H, Stricker I, Steinau HU, Lehnhardt M, Goertz O

Somatic leiomyosarcoma (LMS) is an aggressive soft tissue sarcoma entity with a high metastatic potential. The purpose of this study was to identify prognostic indicators of survival in patients with [...]

**A single-institutional review of 68 patients with dermatofibrosarcoma protuberans: wide re-excision after inadequate previous surgery results in a high rate of local control.**

World J Surg Oncol. 2017;15(1): 5

Harati K, Lange K, Goertz O, Lahmer A, Kapalschinski N, Stricker I, Lehnhardt M, Daigeler A

Dermatofibrosarcoma protuberans (DFSP) is a cutaneous soft tissue sarcoma characterized by an indolent but aggressive local growth. Unplanned excisions with positive margins are common, and the prognosis [...]

**[Practice guideline autoimmune liver diseases - AWMF-Reg. No. 021-27].**

Z Gastroenterol. 2017;55(11): 1135-1226

Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten (DGVS) (federführend) , Deutsche Gesellschaft für Innere Medizin (DGIM) , Deutsche M. Crohn/Colitis ulcerosa Vereinigung (DCCV) , Deutsche Leberhilfe e.V. , Deutsche Gesellschaft für Ultraschall in der Medizin (DEGUM) , Deutsche Gesellschaft für Endoskopie und Bildgebende Verfahren (DGE-BV) , Deutsche Gesellschaft für Kinder- und Jugendmedizin (DGKJ) , Gesellschaft für Pädiatrische Gastroenterologie (GPGE) , Deutsche Gesellschaft für Rheumatologie (DGRh) , Deutsche Röntgengesellschaft (DRG) , Deutsche Transplantationsgesellschaft (DTG) , Deutsche Gesellschaft für Pathologie (DGP) und Bundesverband Deutscher Pathologen (BDP) , Österreichische Gesellschaft für Gastroenterologie (ÖGG) , Schweizer Gastroenterologische Gesellschaft (SGG) ,  
Authors , Collaborators: , Externe Begutachtung durch: , Strassburg CP, Beckebaum S, Geier A, Gotthardt D, Klein R, Melter M, Schott E, Spengler U, Tacke F, Trauner M, Weiler-Normann C, Weismüller TJ, Tannapfel A, Tischendorf JJ, Schramm C, Albert J, Allescher HD, Antoni C, Berg C, Bufler P, Dannel F, Dietrich C, Engelmann G, Feist E, Fickert P, Fischer L, Flechtenmacher C, Friedrich-Rust M, Giek A, Görtz RS, Herzer K, Hofer H, Hohenester S, Höhn M, Hüppe D, In der Smitten S, Jahnelt J, Keitel-Anselmino V, Kirchner G, Kremer A, Lauenstein A, Lenzen H, Mayerle J, Müller T, Müllhaupt B, Nashan B, Rust C, Schattenberg JM, Schmidt H, Schreyer A, Sebode M, Siegmund B, Terjung B, Teufel A, van Thiel I, Wirth S, Witte T, Beuers U, Gerken G, Graziadei I, Lohse A, Manns MP, Tilg H

The guideline was created under the leadership of the DGVS and with participation of neighbouring scientific societies and is intended as a practical aid for the diagnosis and therapy of autoimmune liver diseases [...]

## **Design of biocellulose implants for first successful bile duct regeneration**

Abstr Pap Am Chem Soc. 2016;251: -

Klemm D, Rauchfuss F, Kramer F, Petzold-Welcke K, Richter T, Ruhe C, Tannapfel A

## **Comparing the Prognostic Value of BAP1 Mutation Pattern, Chromosome 3 Status, and BAP1 Immunohistochemistry in Uveal Melanoma.**

Am J Surg Pathol. 2016;40(6): 796-805

van de Nes JA, Nelles J, Kreis S, Metz CH, Hager T, Lohmann DR, Zeschnigk M

Uveal melanoma (UM), a tumor of the eye, can be divided into 2 major classes correlating with patients' prognosis. Gene expression profiles and chromosome 3 status are correlated with tumor classifica [...]

## **Quality of life assessment in patients with metastatic colorectal cancer receiving maintenance therapy after first-line induction treatment: a preplanned analysis of the phase III AIO KRK 0207 trial.**

Ann Oncol. 2016;27(12): 2203-2210

Quidde J, Hegewisch-Becker S, Graeven U, Lerchenmüller CA, Killing B, Depenbusch R, Steffens CC, Lange T, Dietrich G, Stoeilmacher J, Reinacher A, Tannapfel A, Trarbach T, Marschner N, Schmoll HJ, Hinke A, Al-Batran SE, Arnold D

First-line maintenance strategies are a current matter of debate in the management of mCRC. Their impact on patient's health-related quality of life (HRQOL) has not yet been evaluated. The objective o [...]

## **Outcome according to KRAS-, NRAS- and BRAF-mutation as well as KRAS mutation variants: pooled analysis of five randomized trials in metastatic colorectal cancer by the AIO colorectal cancer study group.**

Ann Oncol. 2016;27(9): 1746-53

Modest DP, Ricard I, Heinemann V, Hegewisch-Becker S, Schmiegel W, Porschen R, Stintzing S, Graeven U, Arnold D, von Weikersthal LF, Giessen-Jung C, Stahler A, Schmoll HJ, Jung A, Kirchner T, Tannapfel A, Reinacher-Schick A

To explore the impact of KRAS, NRAS and BRAF mutations as well as KRAS mutation variants in patients with metastatic colorectal cancer (mCRC) receiving first-line therapy. A total of 1239 patients from [...]

## **Quality of life in patients with metastatic colorectal cancer receiving maintenance therapy after first-line inductive treatment: A quality of life sub-analysis of the AIO KRK 0207 phase III trial**

Ann Oncol. 2016;27 6: -



Quidde J, Becker SH, Graeven U, Lerchenmueller C, Killing B, Depenbusch R, Steffens CC, Lange T, Dietrich G, Stoehlmacher J, Reinacher A, Tannapfel A, Trarbach T, Marschner N, Schmoll HJ, Hinke A, Al-Batran SE, Arnold D

**Primary and Secondary Soft Tissue Angiosarcomas: Prognostic Significance of Surgical Margins in 43 Patients.**

Anticancer Res. 2016;36(8): 4321-8

Harati K, Daigeler A, Goertz O, Böhm J, Lange K, Stricker I, Kolbenschlag J, Lehnhardt M

Angiosarcomas are aggressive soft tissue sarcomas. Due to their rarity there is a paucity of data regarding the clinical outcome of patients with non-visceral angiosarcomas of the soft tissues. In par [...]

**Lymphoma of the Cervix: Case Report and Review of the Literature.**

Anticancer Res. 2016;36(9): 4931-40

Hilal Z, Hartmann F, Dogan A, Cetin C, Krentel H, Schiermeier S, Schultheis B, Tempfer CB

Lymphoma of the uterine cervix (LUCX) is rare and may occur as a primary or secondary manifestation of this disease. Clinical and cytological presentations of LUCX vary and establishing diagnosis is o [...]

**Dynamic changes of tumor gene expression during repeated pressurized intraperitoneal aerosol chemotherapy (PIPAC) in women with peritoneal cancer.**

BMC Cancer. 2016;16: 654

Rezniczek GA, Jüngst F, Jütte H, Tannapfel A, Hilal Z, Hefler LA, Reymond MA, Tempfer CB

Intraperitoneal chemotherapy is used to treat peritoneal cancer. The pattern of gene expression changes of peritoneal cancer during intraperitoneal chemotherapy has not been studied before. Pressurize [...]

**Maleic anhydride proton sponge as a novel MALDI matrix for the visualization of small molecules (**

**Chem Commun (Camb). 2016;52(63): 9801-4**

**Giampà M, Lissel MB, Patschkowski T, Fuchser J, Hans VH, Gembruch O, Bednarz H, Niehaus K**

**A novel vacuum stable proton sponge, 4-maleicanhydridoproton sponge (MAPS), was prepared and applied as the matrix in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging (MALDI-MSI) [...]**

### **Histological changes in endocrine and exocrine pancreatic tissue from patients exposed to incretin-based therapies.**

Diabetes Obes Metab. 2016;18(12): 1253-1262

Ueberberg S, Jütte H, Uhl W, Schmidt W, Nauck M, Montanya E, Tannapfel A, Meier J

Incretin-based therapies have been associated with an increased risk of pancreatitis. Recently, various histological abnormalities have been reported in human pancreatic tissue from brain-dead organ d [...]

### **Criteria for Determining Malignancy in Pancreatic Intraductal Papillary Mucinous Neoplasm Based on Computed Tomography.**

Digestion. 2016;94(4): 230-239

Mönning P, Belyaev O, Uhl W, Giese A, Tannapfel A, Köster O, Meier JJ

Determining the dignity of intraductal papillary mucinous neoplasms (IPMNs) by imaging procedures is challenging. Various CT-based criteria were evaluated. Preoperative CT scans from 47 patients with I [...]

### **[Curative endoscopic therapy: which lesions can be addressed].**

Dtsch Med Wochenschr. 2016;141(9): 613-9

Munding J, Tannapfel A

Since the implementation of a nationwide screening colonoscopy the incidence of colorectal adenocarcinoma is decreasing, while the amount of early endoscopically resectable tumours is increasing. Simi [...]

### **Photodynamic therapy adjunct to or replacement for surgery**

Eur J Cancer. 2016;57(1): S3-S3

Wolkersdorfer GW, Wagner A, Hauss J, Witzigmann H, Neureiter D, Tannapfel A, Berr F

### **Low-flow lower body perfusion for spinal protection in a frozen elephant trunk simulation model.**

Eur J Cardiothorac Surg. 2016;50(5): 963-970

Haldenwang PL, Häuser L, Prochnow N, Ziebura D, Baumann A, Sikole M, Schlömicher M, Schmitz I, Christ H, Strauch JT

The frozen elephant trunk (FET) procedure using isolated selective cerebral perfusion (SCP) at moderate hypothermia is associated with an increased risk for spinal cord ischaemia. The aim of this stud [...]

**Impact of proton pump inhibitor treatment on pancreatic beta-cell area and beta-cell proliferation in humans.**

Eur J Endocrinol. 2016;175(5): 467-76

Breuer TG, Borker L, Quast DR, Tannapfel A, Schmidt WE, Uhl W, Meier JJ

Gastrin has been shown to promote beta-cell proliferation in rodents, but its effects in adult humans are largely unclear. Proton pump inhibitors (PPIs) lead to endogenous hypergastrinaemia, and impro [...]

**Label-free classification of colon cancer grading using infrared spectral histopathology.**

Faraday Discuss. 2016;187: 105-18

Kuepper C, Großerueschkamp F, Kallenbach-Thieltges A, Mosig A, Tannapfel A, Gerwert K

In recent years spectral histopathology (SHP) has been established as a label-free method to identify cancer within tissue. Herein, this approach is extended. It is not only used to identify tumour ti [...]

**A subset of metastatic pancreatic ductal adenocarcinomas depends quantitatively on oncogenic Kras/Mek/Erk-induced hyperactive mTOR signalling.**

Gut. 2016;65(4): 647-57

Kong B, Wu W, Cheng T, Schlitter AM, Qian C, Bruns P, Jian Z, Jäger C, Regel I, Raulefs S, Behler N, Irmeler M, Beckers J, Friess H, Erkan M, Siveke JT, Tannapfel A, Hahn SA, Theis FJ, Esposito I, Kleeff J, Michalski CW

Oncogenic Kras-activated robust Mek/Erk signals phosphorylate to the tuberous sclerosis complex (Tsc) and deactivates mammalian target of rapamycin (mTOR) suppression in pancreatic ductal adenocarcino [...]

**Evaluation of angiogenesis, epithelialisation and microcirculation after application of polyhexanide, chitosan and sodium chloride in rodents.**

Int Wound J. 2016;13(6): 1161-1167

Goertz O, Lauer H, Hirsch T, Daigeler A, Harati K, Stricker I, Lehnhardt M, von der Lohe L

The purpose of this study was to investigate the effect of polyhexanide and a new developed chitin-based wound dressing on skin microcirculation, epithelialisation and angiogenesis. A full-thickness d [...]

**Is an Improvement of Lymphadenectomy through an intraoperative Representation of Sentinel Lymph Nodes in Rectum Carcinoma Patients under Use of Indocyanine Green possible?- A prospective Study**

Internist (Berl). 2016;57(1): S7-S8

Shah S, Usta S, Stricker I, Stern J, Tannapfel A, Viebahn R

**[Recurrent hypoglycemia due to an occult insulinoma].**

Internist (Berl). 2016;57(4): 385-9

Breuer TG, Breuer HL, Menge BA, Giese A, Uhl W, Schmidt WE, Tannapfel A, Wild D, Nauck MA, Meier JJ

A 64-year-old woman presented with a history of recurrent hypoglycemia. A prolonged fasting test revealed an increased "amended" insulin-glucose ratio. Transabdominal ultrasound (US), computed tomogra [...]

**Influence of KRAS exon 2 mutation variants as well as NRAS-and BRAF-mutations on outcome of patients with metastatic colorectal cancer (mCRC) receiving combination chemotherapy with or without bevacizumab.**

J Clin Oncol. 2016;34 S(15): -

Modest DP, Ricard I, Heinemann V, Hegewisch-Becker S, Schmiegel WH, Porschen R, Stintzing S, Graeven U, Arnold D, Von Weikersthal LF, Giessen-Jung C, Stahler A, Schmoll HJ, Jung A, Kirchner T, Tannapfel A, Reinacher-Schick AC

**Hair-mass-index (HMI) as indicator for the efficacy of scalp cooling (SC) and the associated quality of life (EORTC QLQ C30).**

J Clin Oncol. 2016;34 S(15): -

Schaffrin-Nabe D, Voigtmann R, Josten-Nabe A, Tannapfel A, Schmitz I, von Hehn U

**Mucosal expression of DEC-205 targeted allergen alleviates an asthmatic phenotype in mice.**

J Control Release. 2016;237: 14-22

Maaske A, Devos FC, Niezold T, Lapuente D, Tannapfel A, Vanoirbeek JA, Überla K, Peters M, Tenbusch M

Considering the rising incidence of allergic asthma, the symptomatic treatments that are currently applied in most cases are less than ideal. Specific immunotherapy is currently the only treatment tha [...]

**Squamous cell carcinoma in association with a red tattoo.**

J Dtsch Dermatol Ges. 2016;14(6): 604-9

Schmitz I, Prymak O, Epple M, Ernert C, Tannapfel A

Although tattoos have become exceedingly popular in recent years, only few cases of severe reactions leading to malignant transformation have been reported in the literature. This stands in contrast t [...]

### **Coincidence of Chondrosarcoma and Melanoma -**

J Dtsch Dermatol Ges. 2016;14 4: 35-35

Huning S, Ducker P, Hartmann W, Stricker I, Nashan D

### **Histopathological regression after neoadjuvant docetaxel, oxaliplatin, fluorouracil, and leucovorin versus epirubicin, cisplatin, and fluorouracil or capecitabine in patients with resectable gastric or gastro-oesophageal junction adenocarcinoma (FLOT4-AIO)**

Lancet Oncol. 2016;17(12): 1697-1708

Al-Batran SE, Hofheinz RD, Pauligk C, Kopp HG, Haag GM, Luley KB, Meiler J, Homann N, Lorenzen S, Schmalenberg H, Probst S, Koenigsmann M, Egger M, Prasnikar N, Caca K, Trojan J, Martens UM, Block A, Fischbach W, Mahlberg R, Clemens M, Illerhaus G, Zirlik K, Behringer DM, Schmiegel W, Pohl M, Heike M, Ronellenfisch U, Schuler M, Bechstein WO, Königsrainer A, Gaiser T, Schirmacher P, Hozaeel W, Reichart A, Goetze TO, Sievert M, Jäger E, Mönig S, Tannapfel A

Docetaxel-based chemotherapy is effective in metastatic gastric and gastro-oesophageal junction adenocarcinoma, but has not yet been evaluated in the context of resectable patients. Here we report fin [...]

### **Conversion cholecystectomy in patients with acute cholecystitis-it's not as black as it's painted!**

Langenbecks Arch Surg. 2016;401(4): 479-88

Spohnholz J, Herzog T, Munding J, Belyaev O, Uhl W, Braumann C, Chromik AM

Although laparoscopic cholecystectomy is recommended as standard treatment for acute cholecystitis, in 10-30 % a conversion to open cholecystectomy is required. Among some surgeons, this is still perc [...]

### **Abundance and turnover of GLP-1 producing L-cells in ileal mucosa are not different in patients with and without type 2 diabetes.**

Metabolism. 2016;65(3): 84-91

Kampmann K, Ueberberg S, Menge BA, Breuer TG, Uhl W, Tannapfel A, Meier JJ

The gastrointestinal hormone GLP-1 is released from enteroendocrine L-cells and augments postprandial insulin secretion. In patients with type 2 diabetes, the incretin effect is markedly diminished. I [...]

**Differential expression of cell-cycle regulators in human beta-cells derived from insulinoma tissue.**

Metabolism. 2016;65(5): 736-46

Ueberberg S, Tannapfel A, Schenker P, Viebahn R, Uhl W, Schneider S, Meier JJ

The low frequency of beta-cell replication in the adult human pancreas limits beta-cell regeneration. A better understanding of the regulation of human beta-cell proliferation is crucial to develop th [...]

**Amphiphysin-positive paraneoplastic myelitis and stiff-person syndrome.**

Neurol Neuroimmunol Neuroinflamm. 2016;3(6): e285

Faissner S, Lukas C, Reinacher-Schick A, Tannapfel A, Gold R, Kleiter I

**Evaluation of the safety and efficacy of TRAIL and taurolidine use on human fibrosarcoma xenografts in vivo.**

Oncol Lett. 2016;11(3): 1955-1961

Harati K, Emmelmann S, Behr B, Goertz O, Hirsch T, Kapalschinski N, Kolbenschlag J, Stricker I, Tannapfel A, Lehnhardt M, Daigeler A

Fibrosarcomas are rare malignant soft tissue tumours that exhibit a poor response to current therapeutic regimens. Previously, tumour necrosis factor-related apoptosis-inducing ligand (TRAIL) and taur [...]

**A prognostic gene signature for UICC II colorectal cancer patients with a high risk of recurrence by next generation sequencing**

Oncol Res Treat. 2016;39(1): 13-13

Kasimir S, Liffers ST, Raulf AP, Munding J, Karp M, Uhl W, Mosig A, Reinacher-Schick A, Tannapfel A

**Deletion of 14-3-3 $\zeta$  sensitizes mice to DMBA/TPA-induced papillomatosis.**

Oncotarget. 2016;7(30): 46862-46870

Winter M, Lodygin D, Verdoodt B, Hermeking H

The p53-inducible cell cycle regulator 14-3-3 $\zeta$  exhibits tumor suppressive functions and is highly expressed in differentiating layers of the epidermis and hair follicles. 14-3-3 $\zeta$ /SFN/stratifin is freq [...]

**Tumor thickness and risk of lymph node metastasis in patients with squamous cell carcinoma of the tongue.**

Oral Oncol. 2016;53: 80-4

Mücke T, Kanatas A, Ritschl LM, Koerdt S, Tannapfel A, Wolff KD, Loeffelbein D, Kesting M

Oral squamous cell carcinomas, and tongue malignancies in particular, are among the most common tumors of the oral cavity. Classification for therapeutic and prognostic purposes is routinely made using [...]

**MUC1 gene polymorphisms are associated with serum KL-6 levels and pulmonary dysfunction in pulmonary alveolar proteinosis.**

Orphanet J Rare Dis. 2016;11: 48

Bonella F, Long X, Ohshimo S, Horimasu Y, Griese M, Guzman J, Kohno N, Costabel U

KL-6, a human MUC1 mucin, is a sensitive biomarker for interstitial lung diseases including pulmonary alveolar proteinosis (PAP). A correlation between MUC1 gene single nucleotide polymorphism (SNP) r [...]

**[Tumor grading of the hepatobiliary system].**

Pathologe. 2016;37(4): 299-303

Jütte H, Tannapfel A

Tumors of the liver, intrahepatic and extrahepatic bile ducts as well as the gallbladder are very heterogeneous and show different biological behavior. The 4-stage (i.e. well, moderately, poorly and u [...]

**[HER2 testing in gastric cancer : Results of a meeting of German experts].**

Pathologe. 2016;37(4): 361-6

Baretton G, Dietel M, Gaiser T, Kirchner T, Kreipe HH, Quaas A, Röcken C, Rüschoff J, Tannapfel A, Lordick F, Al-Batran S, Hofheinz R, Lorenzen S, Moehler M, Thuss-Patience P

Valid HER2 testing is essential for the optimal care of patients with HER2-positive gastric cancer and the correct use of first-line treatment. Although all cases of breast cancer are routinely tested [...]

**[Meeting of the Gastroenteropathology Working Group on May 19, 2016 : 100th Annual Conference of the German Society of Pathology in Berlin].**

Pathologe. 2016;37(Suppl 2): 231-232

Tannapfel A

**[Guideline (S2k, AWMF) of the Deutsche Gesellschaft für Pneumologie und Beatmungsmedizin and the Deutsche Gesellschaft für Arbeitsmedizin und**

**Umweltmedizin "Diagnostics and Expert Opinion in the Occupational Disease No. 4101 Silicosis (Including Coal Work**

Pneumologie. 2016;70(12): 782-812

Baur X, Heger M, Bohle RM, Hering KG, Hofmann-Preiß K, Nowak D, Tannapfel A, Teschler H, Voshaar T, Kraus T, Unter Mitwirkung von M. Duell, B. Heise, S. Palfner

During the last 1.5 years an update of the guideline on silicosis was made by an interdisciplinary working group. New medical and scientific knowledge and the experience in expert opinion practice wer [...]

**[IgG4-associated diseases : Essentials for pathologists and radiologists].**

Radiologe. 2016;56(12): 1049-1051

Tannapfel A

Immunoglobulin G4-associated (IgG4) autoimmune diseases are systemic multiorgan diseases with variable clinical presentation. Principally, all organs can be affected. All IgG4-associated diseases have [...]

**The uncinata process first approach: a novel technique for laparoscopic right hemicolectomy with complete mesocolic excision.**

Surg Endosc. 2016;30(5): 1930-7

Benz S, Tam Y, Tannapfel A, Stricker I

Current evidence suggests that complete mesocolic excision (CME) for right-sided colon cancer could be beneficial in terms of long-term survival. However, CME is a considerably more complex operation [...]

**Small Bowel Obstruction due to a Giant Meckel's Diverticulum**

Visc Med. 2016;32(6): 434-436

Luu AM, Meurer K, Herzog T, Uhl W, Tannapfel A, Braumann C

Background: Meckel's diverticulum is the most common congenital anomaly of the gastrointestinal tract, with an average length of 3 cm. Complications occur in 6.4% and most commonly include inflammatio [...]

**[HER2 testing in gastric cancer - results of a German expert meeting].**

Z Gastroenterol. 2016;54(8): 791-6

Lordick F, Al-Batran SE, Hofheinz RD, Lorenzen S, Thuss-Patience P, Baretton GB, Dietel M, Gaiser T, Kirchner T, Kreipe HH, Quaas A, Röcken C, Rüschoff J, Tannapfel A



Valid HER2 testing is essential for optimal therapy of patients with HER2 positive gastric cancer and the correct use of first-line treatment. While each breast cancer is routinely being tested for th [...]

### **Successful surgical therapy in the a case of temporal lobe epilepsy with more than 20 years of drug resistance and several previous surgeries**

Zeitschrift für Epileptologie. 2016;29(3): 156-160

Brazel H, Reif PS, Bauer S, Hermsen A, Pagenstecher A, Hans VH, Sure U, Knake S, Rosenow F, Strzelczyk A

Epilepsy is a common chronic neurological disease and represents a significant burden for patients and their families. We present a case of a patient, who had a pharmaco-resistant epilepsy for more than [...]

### **Lung Fiber Analysis Integral Part of the Pathology Asbestos Related**

### **Lung Fiber Analysis Integral Part of the Pathology Asbestos Related Pulmonary Diseases**

Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie. 2016;66(4): 224-228

Feder IS, Theile A, Tannapfel A

### **Histological criteria for atypical pituitary adenomas - data from the German pituitary adenoma registry suggests modifications.**

Acta Neuropathol Commun. 2015;3: 50

Miermeister CP, Petersenn S, Buchfelder M, Fahlbusch R, Lüdecke DK, Hölsken A, Bergmann M, Knappe HU, Hans VH, Flitsch J, Saeger W, Buslei R

The term atypical pituitary adenoma (APA) was revised in the 2004 World Health Organization (WHO) classification of pituitary tumors. However, two of the four parameters required for the diagnosis of [...]

### **ZrO<sub>2</sub> nanoparticles labeled via a native protein corona: detection by fluorescence microscopy and Raman microspectroscopy in rat lungs.**

Analyst. 2015;140(15): 5120-8

Silge A, Bräutigam K, Bocklitz T, Rösch P, Vennemann A, Schmitz I, Popp J, Wiemann M

ZrO<sub>2</sub> nanoparticles are frequently used in composite materials such as dental fillers from where they may be released and inhaled upon polishing and grinding. Since the overall distribution of ZrO<sub>2</sub> NP [...]

### **Spinal cord ischemia after selective cerebral perfusion in a porcine "frozen elephant trunk" simulation model.**

Ann Thorac Surg. 2015;99(5): 1624-31

Haldenwang PL, Prochnow N, Baumann A, Buchwald D, Häuser L, Schlömicher M, Ziebura D, Schmitz I, Christ H, Strauch JT

The "frozen elephant trunk" procedure (FET) represents the therapy of choice for extended aortic diseases. The aim of our study was to analyze whether 90 minutes of selective cerebral perfusion (SCP) [...]

**Fully automated registration of vibrational microspectroscopic images in histologically stained tissue sections.**

BMC Bioinformatics. 2015;16(1): 396

Yang C, Niedieker D, Großerüschkamp F, Horn M, Tannapfel A, Kallenbach-Thieltges A, Gerwert K, Mosig A

In recent years, hyperspectral microscopy techniques such as infrared or Raman microscopy have been applied successfully for diagnostic purposes. In many of the corresponding studies, it is common pra [...]

**Lumbar juxta-facet joint cysts in association with facet joint orientation, -tropism and -arthritis: A case-control study.**

Clin Neurol Neurosurg. 2015;139: 278-81

Ening G, Kowoll A, Stricker I, Schmieder K, Brenke C

To assess the association between juxta-facet-joint cysts (JFC) occurrence at the lumbar spine and Facet Joint (FJ) orientation, -tropism and -arthritis. Study group, 36 consecutive patients with JFC a [...]

**Macrophages and bisphosphonate-related osteonecrosis of the jaw (BRONJ): evidence of local immunosuppression of macrophages in contrast to other infectious jaw diseases.**

Clin Oral Investig. 2015;19(2): 497-508

Hoefert S, Schmitz I, Weichert F, Gaspar M, Eufinger H

Bisphosphonates (BIP) are well established in bone diseases. A serious side effect is the bisphosphonate-related osteonecrosis of the jaw (BRONJ). Among different aetiology factors, local suppression [...]

**The epidemiology, diagnosis, and treatment of Barrett's carcinoma.**

Deutsches ärzteblatt international. 2015;112(13): 224-33; quiz 234

Labenz J, Koop H, Tannapfel A, Kiesslich R, Hölscher AH

Roughly 3000 new cases of Barrett's carcinoma arise in Germany each year. In view of recent advances in the epidemiology, diagnosis, and treatment of this disease, an update of the clinical recommenda [...]

**IgG4-related autoimmune diseases: Polymorphous presentation complicates diagnosis and treatment.**

Deutsches ärzteblatt international. 2015;112(8): 128-35

Kleger A, Seufferlein T, Wagner M, Tannapfel A, Hoffmann TK, Mayerle J

IgG4-associated autoimmune diseases are systemic diseases affecting multiple organs of the body. Autoimmune pancreatitis, with a prevalence of 2.2 per 100,000 people, is one such disease. Because thes [...]

**Pathological response to neoadjuvant 5-FU, oxaliplatin and docetaxel (FLOT) versus epirubicin, cisplatin and 5-FU (ECF) in patients with locally advanced, resectable gastric/esophagogastric junction (EGJ) cancer: Data from the phase II part of the FLOT4 p**

Eur J Cancer. 2015;51 3: S728-S728

Pauligk C, Tannapfel A, Meiler J, Luley KB, Kopp HG, Homann N, Hofheinz RD, Schmalenberg H, Probst S, Haag GM, Egger M, Behringer DM, Stoeilmacher J, Prasnikar N, Block A, Trojan J, Folprecht G, Pohl M, Schirmacher P, Al-Batran SE

**Clinical performance comparison of RAS mutation detection in plasma and tissue samples from stage IV colorectal cancer patients for first-line anti-EGFR therapy selection**

Eur J Cancer. 2015;51 3: S79-S79

Hahn S, Tannapfel A, Friess H, Janssen KP, Nitsche U, Slotta-Huspenina J, Pohl M, Vangala DB, Jones FS, Dockhorn-Dworniczak B, Hegewisch-Becker S, Schmiegel W

**CXCL16 and betaIGH3/TGFBI in urine as biomarkers for high-grade bladder cancer diagnostics**

Eur J Cancer. 2015;51 3: S86-S86

Lang K, Robens S, Braun K, Tam YC, Behrens T, Noldus J, Tannapfel A, Bruening T, Kaefferlein H

**Histologic evaluation of in vivo femtosecond laser-generated capsulotomies reveals a potential cause for radial capsular tears.**

Eur J Ophthalmol. 2015;25(2): 112-8

Schultz T, Joachim SC, Tischoff I, Dick HB

To compare histologically the size and appearance of capsule disks after femtosecond laser-assisted cataract surgery and conventional cataract surgery. In 100 eyes of 100 patients with visually signifi [...]

**Determination of a single nucleotide polymorphism (SNP) of the TNFalpha-R1 region (TNFRSF1A) in patients with lung sarcoidosis: Preliminary results**

Eur Respir J. 2015;46 59: -

Bonella F, Tran H, Theegarten D, Guzman J, Costabel U

**alveolar macrophages (AMs) in interstitial lung diseases (ILD)**

Eur Respir J. 2015;46 59: -

Long XP, Costabel U, He X, Wessendorf TE, Theegarten D, Guzman J, Bonella F

**Comparative analysis of multiple gene polymorphisms for acute exacerbation of idiopathic pulmonary fibrosis**

Eur Respir J. 2015;46 59: -

Ohshimo S, Yamaoka C, Horimasu Y, Iwamoto H, Fujitaka K, Hamada H, Hattori N, Hirohashi N, Tanigawa K, Bonella F, Guzman J, Costabel U, Kohno N

**[Sarcoma of the hand and wrist].**

Handchir Mikrochir Plast Chir. 2015;47(2): 76-82

Steinau HU, Farzaliyev F, Stricker I, Hauser J, Podleska LE

Sarcomas of the hand and wrist are rare malignancies, which should be referred to high-volume comprehensive cancer centres providing multidisciplinary treatment options. The tumour board should propos [...]

**[In Process Citation].**

HNO. 2015;63(11): 804-8

Riedel P, Radkowski R, Tannapfel A, Kunkel M

**Extracellular 20S proteasome in BAL and serum of patients with alveolar proteinosis.**

Immunobiology. 2015;220(3): 382-8

Bonella F, Sixt SU, Thomassen J, Schmidt M, Cai M, Mori T, Guzman J, Costabel U

Pulmonary alveolar proteinosis (PAP) is characterized by alveolar accumulation of surfactant lipoproteins. Proteasomes are involved in the nonlysosomal protein degradation. We hypothesize that enzymat [...]

**EPHB4 tyrosine-kinase receptor expression and biological significance in soft tissue sarcoma.**

Int J Cancer. 2015;136(8): 1781-91

Becerikli M, Merwart B, Lam MC, Suppeln P, Rittig A, Mirmohammedsadeh A, Stricker I, Theiss C, Singer BB, Jacobsen F, Steinstraesser L

Soft tissue sarcomas (STS) are heterogeneous malignant tumors of mesenchymal origin. Due to low incidence and high number of different histological subtypes, their pathogenesis and thus potential targ [...]

**Neoadjuvant Down-Sizing of Hilar Cholangiocarcinoma with Photodynamic Therapy-Long-Term Outcome of a Phase II Pilot Study.**

Int J Mol Sci. 2015;16(11): 26619-28

Wagner A, Wiedmann M, Tannapfel A, Mayr C, Kiesslich T, Wolkersdörfer GW, Berr F, Hauss J, Witzigmann H

Hilar cholangiocarcinoma (CC) is non-resectable in the majority of patients often due to intrahepatic extension along bile duct branches/segments, and even after complete resection (R0) recurrence can [...]

**Influence of tumor volume on survival in patients with oral squamous cell carcinoma.**

J Cancer Res Clin Oncol. 2015;141(6): 1007-11

Mücke T, Mitchell DA, Ritschl LM, Tannapfel A, Wolff KD, Kesting MR, Loeffelbein DJ, Kanatas A

The TNM classification is used to assess cancers of the oral cavity, and advancements in imaging techniques have revealed clear variations in tumor volume at presentation. This study therefore aimed t [...]

**Pathological response to neoadjuvant 5-FU, oxaliplatin, and docetaxel (FLOT) versus epirubicin, cisplatin, and 5-FU (ECF) in patients with locally advanced, resectable gastric/esophagogastric junction (EGJ) cancer: Data from the phase II part of the FLOT4**

J Clin Oncol. 2015;33 S(15): -

Pauligk C, Tannapfel A, Meiler J, Luley KB, Kopp HG, Homann N, Hofheinz RD, Schmalenberg H, Probst S, Haag GM, Egger M, Behringer DM, Stoehlmacher J, Prasnikar N, Block A, Trojan J, Koenigsmann M, Schmiegel W, Jager E, Al-Batran SE

**Effect of Sym004 on acquired resistance to cetuximab in colorectal cancer (CRC) in a novel mouse avatar model**

J Clin Oncol. 2015;33 S(15): -

Vangala DB, Liffers ST, Pohl M, Teschendorf C, Tannapfel A, Schmiegel WH, Hahn S

**The role of panitumumab in combination with ECX in perioperative chemotherapy of unselected patients with locally advanced gastroesophageal adenocarcinomas: Randomized phase II study of the German Cancer Society**

J Clin Oncol. 2015;33 S(15): 4040

Moehler MarkusH, Lordick Florian, Mihaljevic AndreL, Kanzler Stephan, Hoehler Thomas, Thuss-Patience PeterC, Moenig StefanPaul, Kunzmann Volker, Schroll Sebastian, Meyer Hans-Joach, Sandermann Andreas, Schumacher Christoph, Wilke Hansjochen, Tannapfel Andrea, Stahl Michael

**Neonax (AIO-PAK-0313): Neoadjuvant plus adjuvant or only adjuvant nab-paclitaxel plus gemcitabine for resectable pancreatic cancer: A phase II study of the AIO Pancreatic Cancer Group**

J Clin Oncol. 2015;33 S(3): -

Etrich TJ, Berger AW, Mucbe R, Lutz MP, Prasnikar N, Uhl W, Tannapfel A, Heinemann V, Seufferlein T

**False-Positive PET/CT After Cyanoacrylate Sealing of a Pancreaticojejunostomy.**

J Gastrointest Surg. 2015;19(5): 984-5

Belyaev O, Munding J, Tannapfel A, Uhl W

In 2013, a 68-year-old male had a pancreaticoduodenectomy for pancreatic cancer. The pancreaticojejunostomy was sealed with cyanoacrylate (Dermabond) to prevent postoperative pancreatic fistula. Local [...]

**Short-term effects of extracorporeal shock waves on microcirculation.**

J Surg Res. 2015;194(1): 304-11

Goertz O, Hauser J, Hirsch T, von der Lohe L, Kolbenschlag J, Stricker I, Lehnhardt M, Lauer H

Extracorporeal shock wave application (ESWA) has the potential to qualify as an adjuvant therapy option for soft tissue disorders such as chronic wounds. As of today, little is known about its exact m [...]

**Impact of real-time elastography on magnetic resonance imaging/ultrasound fusion guided biopsy in patients with prior negative prostate biopsies.**

J Urol. 2015;193(4): 1191-7

Brock M, Löppenber B, Roghmann F, Pelzer A, Dickmann M, Becker W, Martin-Seidel P, Sommerer F, Schenk L, Palisaar RJ, Noldus J, von Bodman C

The fusion of multiparametric resonance imaging and ultrasound has been proven capable of detecting prostate cancer in different biopsy settings. The addition of real-time elastography promises to inc [...]

**Therapeutic potential of antiviral drugs targeting chemorefractory colorectal adenocarcinoma cells overexpressing endogenous retroviral elements.**

JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH. 2015;34: 81

Díaz-Carballo D, Acikelli AH, Klein J, Jastrow H, Dammann P, Wyganowski T, Guemues C, Gustmann S, Bardenheuer W, Malak S, Tefett NS, Khosrawipour V, Giger-Pabst U, Tannapfel A, Strumberg D

Endoretroviruses account for circa 8 % of all transposable elements found in the genome of humans and other animals. They represent a genetic footprint of ancestral germ-cell infections of exoviruses [...]

**[Vascular anomaly in the midcheek region of an infant--review of the diagnostic procedure].**

Klin Padiatr. 2015;227(3): 176-80

Rosler L, Sander V, Teuber I, Stücker M, Kreuter A, Stricker I, Hamelmann E

Clinical history, physical examination, evolution and imaging findings (Colour Doppler sonography, MRI if available) are of pivotal importance in the diagnostic pathway of an infantile vascular anomal [...]

**Chondroepitrochlearis Muscle--A Phylogenetic Remnant with Clinical Importance.**

Klin Padiatr. 2015;227(4): 243-6

Tröbs RB, Gharavi B, Neid M, Cernaianu G

We report on an infant, presenting with a cord-like accessory muscle crossing the anterior axillary fold. The accessory structure appeared as an axillary web and caused tethering of the humerus togeth [...]

**Maintenance strategies after first-line oxaliplatin plus fluoropyrimidine plus bevacizumab for patients with metastatic colorectal cancer (AIO 0207): a randomised, non-inferiority, open-label, phase 3 trial.**

Lancet Oncol. 2015;16(13): 1355-69

Hegewisch-Becker S, Graeven U, Lerchenmüller CA, Killing B, Depenbusch R, Steffens CC, Al-Batran SE, Lange T, Dietrich G, Stoehlmacher J, Tannapfel A, Reinacher-Schick A, Quidde J, Trarbach T, Hinke A, Schmoll HJ, Arnold D

The definition of a best maintenance strategy following combination chemotherapy plus bevacizumab in metastatic colorectal cancer is unclear. We investigated whether no continuation of therapy or beva [...]

**Oxaliplatin added to fluorouracil-based preoperative chemoradiotherapy and postoperative chemotherapy of locally advanced rectal cancer (the German CAO/ARO/AIO-04 study): final results of the multicentre, open-label, randomised, phase 3 trial.**

Lancet Oncol. 2015;16(8): 979-89

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Kempf B, Schilling M, Dunst J, Asperger W, Weber B, Zoller M, Grote-Metke A, Christl SU, Runde GV, Scheppach W, Schmidt WE, Obst G, Fischer von Weikersthal L, Seraphin J, Speidel A, Saleske H, Hempel D

Preoperative chemoradiotherapy with infusional fluorouracil, total mesorectal excision surgery, and postoperative chemotherapy with fluorouracil was established by the German CAO/ARO/AIO-94 trial as a [...]

### **Measurement with microscopic MRI and simulation of flow in different aneurysm models.**

Med Phys. 2015;42(10): 5661-70

Edelhoff D, Walczak L, Frank F, Heil M, Schmitz I, Weichert F, Suter D

The impact and the development of aneurysms depend to a significant degree on the exchange of liquid between the regular vessel and the pathological extension. A better understanding of this process w [...]

### **Immunocytochemical analysis of glucose transporter protein-1 (GLUT-1) in typical, brain invasive, atypical and anaplastic meningioma.**

Neuropathology. 2015;35(1): 24-36

van de Nes JA, Griewank KG, Schmid KW, Grabellus F

Glucose transporter-1 (GLUT-1) is one of the major isoforms of the family of glucose transporter proteins that facilitates the import of glucose in human cells to fuel anaerobic metabolism. The presen [...]

### **The Influence of Various Parameters on the Success of Sensor-Controlled Scalp Cooling in Preventing Chemotherapy-Induced Alopecia.**

Oncol Res Treat. 2015;38(10): 489-95

Schaffrin-Nabe D, Schmitz I, Josten-Nabe A, von Hehn U, Voigtmann R

The influence of systemic comorbidities on the success of scalp cooling during chemotherapy (CT) is widely unexplored. Comorbidities often require additional medication which itself can occasionally c [...]

### **[Lymphoma of the ocular adnexa].**

Ophthalmologe. 2015;112(3): 210-6

Kakkassery V, Stübiger N, Adamietz IA, Tischoff I, Baraniskin A, Wunderlich IM

Lymphomas of the ocular adnexa are heterogeneous and demonstrate a wide range of clinical, histological, immunohistochemical and molecular genetic characteristics. The aim of this article is to give an [...]

**[Remove polyps and discard. Way or wrong way?].**

Pathologe. 2015;36(2): 182-5

Tannapfel A, Aust D, Baretton GB, Bläker H, Esposito I, Langner C, Vieth M, Wardelmann E, Kirchner T, Schirmacher P

**[Report from the working group on gastroenteropathology].**

Pathologe. 2015;36 Suppl 2: 217-8

Tannapfel A

**AGR3 in breast cancer: prognostic impact and suitable serum-based biomarker for early cancer detection.**

PLoS ONE. 2015;10(4): e0122106

Garczyk S, von Stillfried S, Antonopoulos W, Hartmann A, Schrauder MG, Fasching PA, Anzeneder T, Tannapfel A, Ergönenc Y, Knüchel R, Rose M, Dahl E

Blood-based early detection of breast cancer has recently gained novel momentum, as liquid biopsy diagnostics is a fast emerging field. In this study, we aimed to identify secreted proteins which are [...]

**RNA-Seq Analysis of Human Trigeminal and Dorsal Root Ganglia with a Focus on Chemoreceptors.**

PLoS ONE. 2015;10(6): e0128951

Flegel C, Schöbel N, Altmüller J, Becker C, Tannapfel A, Hatt H, Gisselmann G

The chemosensory capacity of the somatosensory system relies on the appropriate expression of chemoreceptors, which detect chemical stimuli and transduce sensory information into cellular signals. Kno [...]

**MUC5B promoter polymorphism in Japanese patients with idiopathic pulmonary fibrosis.**

Respirology. 2015;20(3): 439-44

Horimasu Y, Ohshimo S, Bonella F, Tanaka S, Ishikawa N, Hattori N, Kohno N, Guzman J, Costabel U

A single nucleotide polymorphism (SNP) rs35705950 in the promoter of Mucin 5B (MUC5B) has been reported to be associated with idiopathic pulmonary fibrosis (IPF) mainly in Caucasian populations. This [...]

**A pilot study: a combined therapy using polymyxin-B hemoperfusion and extracorporeal membrane oxygenation for acute exacerbation of interstitial pneumonia.**

Sarcoidosis Vasc Diffuse Lung Dis. 2015;31(4): 343-9

Itai J, Ohshimo S, Kida Y, Ota K, Iwasaki Y, Hirohashi N, Bonella F, Guzman J, Costabel U, Kohno N, Tanigawa K

Direct hemoperfusion with polymyxin B-immobilized fiber (PMX-DHP) might be beneficial for treating acute exacerbation (AE) of interstitial pneumonia (IP). Venovenous extracorporeal membranous oxygenat [...]

### **Fusion of Magnetic Resonance Imaging and Real-Time Elastography to Visualize Prostate Cancer: A Prospective Analysis using Whole Mount Sections after Radical Prostatectomy.**

Ultraschall Med. 2015;36(4): 355-361

Brock M, Roghmann F, Sonntag C, Sommerer F, Tian Z, Löppenber B, Palisaar RJ, Noldus J, Hanske J, von Bodman C

Purpose: To determine whether the fusion of multiparametric magnetic resonance imaging (MRI) with transrectal real-time elastography (RTE) improves the visualization of PCa lesions compared to MRI alo [...]

### **Benign liver tumors in pediatric patients - Review with emphasis on imaging features.**

World J Gastroenterol. 2015;21(28): 8541-61

Chiorean L, Cui XW, Tannapfel A, Franke D, Stenzel M, Kosiak W, Schreiber-Dietrich D, Jüngert J, Chang JM, Dietrich CF

Benign hepatic tumors are commonly observed in adults, but rarely reported in children. The reasons for this remain speculative and the exact data concerning the incidence of these lesions are lacking [...]

#### **[Primary liver tumours in childhood].**

Z Gastroenterol. 2015;53(11): 1267-75

Schreiber-Dietrich DG, Leuschner I, Tannapfel A, Franke D, Stenzel M, Juengert J, Dietrich CF

The reported prevalence of focal liver lesions in adult patients and children is different. The article discusses pediatric liver tumors under the criteria of histopathology and contrast enhanced ultr [...]

### **The small (bulging) Adenoma- Progress in Diagnostics for what Price?**

Z Gastroenterol. 2015;53(4): 339-340

Riemann JF, Tannapfel A, Baretton G, Faiss S, Hagenmueller F, Heil FJ, Kiesslich R, Kolligs F, Moog G, Neumann H, Schmitt W, Tacke W, Vieth M, Schilling D, Ebert MP

**[S2k Guideline non-alcoholic fatty liver disease].**

Z Gastroenterol. 2015;53(7): 668-723

Roeb E, Steffen HM, Bantel H, Baumann U, Canbay A, Demir M, Drebber U, Geier A, Hampe J, Hellerbrand C, Pathil-Warth A, Schattenberg JM, Schramm C, Seitz HK, Stefan N, Tacke F, Tannapfel A, Lynen Jansen P, Bojunga J

**Organ protection in surgery of the aortic arch and proximal descending aorta**

Z Herz Thorax Gefasschir. 2015;29(6): 410-417

Haldenwang PL, Prochnow N, Baumann A, Schmitz I, Christ H, Klein T, Hauser L, Strauch JT

Background. Although selective cerebral perfusion (SCP) with moderate hypothermia is performed routinely in surgery of the aortic arch and proximal descending aorta, the incidence of cerebral, spinal [...]

**[Assessment of bovine pericardium (tutomesh®) and coated polypropylene (proceed®) in the para-oesophageal position in a pig model].**

Zentralbl Chir. 2015;140(2): 163-9

Scheuerlein H, El-Asfar T, Dittmar Y, Tannapfel A, Settmacher U, Rauchfuss F

Hiatal hernias are nowadays increasingly treated with meshes. Often, biological implants are being used for this application. Oesophageal perforations have been reported as rare but serious complicati [...]

**[Complete Mesocolic Excision for Right-Sided Colon Cancer - The Role of Central Lymph Nodes].**

Zentralbl Chir. 2015;140(4): 449-52

Benz SR, Tannapfel A, Tam Y, Stricker I

Complete mesocolic excision (CME) and central vascular ligation (CVL) for right-sided colon cancer may be superior to standard hemicolectomy in terms of oncological results. This hypothesis is current [...]

**[Colorectal Carcinoma with Suspected Lynch Syndrome: A Multidisciplinary Algorithm].**

Zentralbl Chir. 2015;140(6): 591-9

Schneider R, Schneider C, Büttner R, Reinacher-Schick A, Tannapfel A, Fürst A, Rüschoff J, Jakobeit C, Royer-Pokora B, Möslein G

Lynch syndrome is the most frequent hereditary cancer syndrome, accounting for approximately 3-5 % of all colorectal cancers. In addition, it is the most frequent predisposing hereditary cause of endo [...]

**NEONAX: NEOADJUVANT PLUS ADJUVANT OR ONLY ADJUVANT NAB-PACLITAXEL PLUS GEMCITABINE FOR RESECTABLE PANCREATIC CANCER: A PHASE II STUDY OF THE AIO PANCREATIC CANCER GROUP**

Ann Oncol. 2014;25 2: 85-85

Thomas E, Andreas B, Rainer M, Manfred L, Nicole P, Waldemar U, Andrea T, Volker H, Thomas S

**Intraperitoneal chemotherapy of peritoneal carcinomatosis using pressurized aerosol as an alternative to liquid solution: first evidence for efficacy.**

Ann Surg Oncol. 2014;21(2): 553-9

Solass W, Kerb R, Mürdter T, Giger-Pabst U, Strumberg D, Tempfer C, Zieren J, Schwab M, Reymond MA

Peritoneal carcinomatosis (PC) is an unmet medical need. Despite recent improvements, systemic chemotherapy has limited efficacy. We report the first application of intraperitoneal chemotherapy as a p [...]

**Numerical and structural chromosomal anomalies in undifferentiated pleomorphic sarcoma.**

Anticancer Res. 2014;34(12): 7119-27

Becerikli M, Wieczorek S, Stricker I, Nambiar S, Rittig A, Epplen JT, Tannapfel A, Lehnhardt M, Steinstraesser L, Jacobsen F

Malignant fibrous histiocytoma (MFH) or undifferentiated pleomorphic sarcoma (UPS) is the most common soft-tissue sarcoma of late adult life. Further advances in genetic characterization are warranted [...]

**Diagnosis, treatment and survival of 65 patients with malignant peripheral nerve sheath tumors.**

Anticancer Res. 2014;34(2): 777-83

Goertz O, Langer S, Uthoff D, Ring A, Stricker I, Tannapfel A, Steinau HU

Malignant peripheral nerve sheath tumors (MPNST) account for up to 10% of all malignant soft tissue tumors in adults. Insufficient data are available on diagnosis, differential diagnosis and treatment [...]

**Automated quantification of FISH signals in urinary cells enables the assessment of chromosomal aberration patterns characteristic for bladder cancer.**

Biochem Biophys Res Commun. 2014;448(4): 467-72

Köhler CU, Martin L, Bonberg N, Behrens T, Deix T, Braun K, Noldus J, Jöckel KH, Erbel R, Sommerer F, Tannapfel A, Harth V, Käfferlein HU, Brüning T

Targeting the centromeres of chromosomes 3, 7, 17 (CEP3, 7, 17) and the 9p21-locus (LSI9p21) for diagnosing bladder cancer (BC) is time- and cost-intensive and requires a manual investigation of the s [...]

**Differences in serum SP-D levels between German and Japanese subjects are associated with SFTPD gene polymorphisms.**

BMC Med Genet. 2014;15: 4

Horimasu Y, Hattori N, Ishikawa N, Tanaka S, Bonella F, Ohshimo S, Guzman J, Costabel U, Kohno N

Surfactant protein A (SP-A) and SP-D are clinically established in Japan as serum biomarkers for diagnosing interstitial lung diseases (ILDs). Serum SP-D levels are affected by genetic variants. We co [...]

**A microRNA-based test improves endoscopic ultrasound-guided cytologic diagnosis of pancreatic cancer.**

Clin Gastroenterol Hepatol. 2014;12(10): 1717-23

Brand RE, Adai AT, Centeno BA, Lee LS, Rateb G, Vignesh S, Menard C, Wiechowska-Kozłowska A, Bozdys H, Hartleb M, Sanders MK, Munding JB, Tannapfel A, Hahn SA, Stefańczyk L, Tsongalis GJ, Whitcomb DC, Conwell DL, Morisset JA, Gardner TB, Gordon SR, Suriawinata AA, Lloyd MB, Wylie D, Labourier E, Andruss BF, Szafranska-Schwarzbach AE

Endoscopic ultrasound-guided fine-needle aspiration (EUS-FNA) in combination with cytopathology is the optimal method for diagnosis and staging of pancreatic ductal adenocarcinoma (PDAC) and other pan [...]

**Diagnostics and therapy of gastrointestinal stromal tumors (GIST)**

Der Onkologe. 2014;20(3): 277-289

Hoffken N, Tannapfel A, Reinacher-Schick A

Gastrointestinal stromal tumors (GIST) are mesenchymal tumors arising from the interstitial cells of Cajal and are characterized by the expression of CD117 (c-kit). The CD117 expression is caused by a [...]

## **Extended RAS mutation status. New requirements for the molecular pathological analysis of metastasized colorectal cancer**

Der Onkologe. 2014;20(5): 492-496

Dietel M, Baretton G, Gabbert HE, Jung A, Kloor M, Liffers ST, Kreipe H, Schafer KL, Schirmacher P, Sers C, Schlake W, Kirchner T

The most important targeted substances approved for metastasized colorectal cancer are cetuximab (ErbixA (R)) and panitumumab (VectibixA (R)), both of which are antibodies against epidermal growth f [...]

## **Ductal pancreatic adenocarcinoma.**

Deutsches ärzteblatt international. 2014;111(22): 396-402

Seufferlein T, Porzner M, Heinemann V, Tannapfel A, Stuschke M, Uhl W

Ductal adenocarcinoma of the pancreas is the fourth most common cause of death from cancer in men and women in Germany: about 15 000 persons die of this disease each year. The S3 guideline on exocrine [...]

## **Identification of a specific and sensitive urinary DNA hypermethylation signature for bladder cancer diagnosis**

Eur J Cancer. 2014;50 5: S105-S105

Koehler CU, Ahrens M, Behrens T, Eisenacher M, Braun K, Joeckel KH, Erbel R, Tannapfel A, Bruening T, Kaefferlein HU

## **Evaluating the performance of clinical criteria for predicting mismatch repair gene mutations in Lynch syndrome: a comprehensive analysis of 3,671 families.**

Int J Cancer. 2014;135(1): 69-77

Steinke V, Holzapfel S, Loeffler M, Holinski-Feder E, Morak M, Schackert HK, Görgens H, Pox C, Royer-Pokora B, von Knebel-Doerberitz M, Büttner R, Propping P, Engel C, German HNPCC Consortium, Epplen T, Kötting J, Munding J, Pox C, Schmiegel W, Schulmann K, Stemmler S, Tannapfel A, Sengteller M, Clade S, Fries N, Betz B, Goecke T, Rahner N, Möslein G, Kiehl O, Koch S, Tschischka A, Geissler M, Sieghardt A, Schröck E, Aust DE, Pistorius S, Berth H, Bläker H, Evers C, Kadmon M, Keller M, Kloor M, Moog U, Tariverdian M, Meilhaus S, Vogelsang H, Langer R, Friedrichs N, Kahl P, Enders U, Herold M, Wieland K, Zachariae S

Carriers of mismatch repair (MMR) gene mutations have a high lifetime risk for colorectal and endometrial cancers, as well as other malignancies. As mutation analysis to detect these patients is expensive [...]

## **Loss of appetite, night sweats, eczema, and axillary and inguinal lymph node swelling in a 28-year-old man**



Internist (Berl). 2014;55(3): 322-4

Wahl U, Stranzenbach R, Tischoff I, Tannapfel A, Stadler R, Ernst F

A 28-year-old man presented with loss of appetite, night sweats, eczema, and axillary and inguinal lymph node swelling. The tentative diagnosis of malignant lymphoma was made. To confirm the diagnosis [...]

**Effect of neoadjuvant treatment in the management of osteosarcomas of the head and neck.**

J Cancer Res Clin Oncol. 2014;140(1): 127-31

Muecke Thomas, Mitchell DavidA, Tannapfel Andrea, Wolff Klaus-Diet, Loeffelbein DenysJohn, Kanatas Anastasios

Osteosarcomas of the craniomaxillofacial region in adults are rare malignant tumors with many sites of origin. The purpose of this study was to analyze the outcome of adult patients suffering from ost [...]

**NEONAX: Neoadjuvant plus adjuvant or only adjuvant nab-paclitaxel plus gemcitabine for resectable pancreatic cancer-A phase II study of the AIO Pancreatic Cancer Group.**

J Clin Oncol. 2014;32 S(15): -

Ettrich TJ, Berger AW, Muche R, Lutz MP, Prasnlkar N, Uhl W, Tannapfel A, Heinemann V, Soufferlein T

**Maintenance strategy with fluoropyrimidines (FP) plus Bevacizumab (Bev), Bev alone, or no treatment, following a standard combination of FP, oxaliplatin (Ox), and Bev as first-line treatment for patients with metastatic colorectal cancer (mCRC): A phase I**

J Clin Oncol. 2014;32 S(15): 3503

Arnold Dirk, Graeven Ullrich, Lerchenmuller ChristianA, Killing Brigitta, Depenbusch Reinhard, Steffens Claus-Chri, Al-Batran Salah-Eddi, Lange Thoralf, Dietrich Georg, Stoehimacher Jan, Tannapfel Andrea, Schmoll Hans-Joach, Reinacher-Schick Anke, Hegewisch-Becker Susanna

**HER-FLOT: Trastuzumab in combination with FLOT as perioperative treatment for patients with HER2-positive locally advanced esophagogastric adenocarcinoma: A phase II trial of the AIO Gastric Cancer Study Group.**

J Clin Oncol. 2014;32 S(15): 4073

Hofheinz Ralf, Hegewisch-Becker Susanna, Thuss-Patience PeterC, Kunzmann Volker, Fuchs Martin, Graeven Ullrich, Homann Nils, Heinemann Volker, Pohl Michael, Tannapfel Andrea, Al-Batran Salah-Eddi

## **Skin Electroporation of a Plasmid Encoding hCAP-18/LL-37 Host Defense Peptide Promotes Wound Healing.**

Mol Ther. 2014;22(4): 734-42

Steinstraesser L, Lam MC, Jacobsen F, Porporato PE, Chereddy KK, Becerikli M, Stricker I, Hancock RE, Lehnhardt M, Sonveaux P, Pr at V, Vandermeulen G

Host defense peptides, in particular LL-37, are emerging as potential therapeutics for promoting wound healing and inhibiting bacterial growth. However, effective delivery of the LL-37 peptide remains [...]

## **Maintenance strategy with fluoropyrimidines (FP) plus bevacizumab (Bev), Bev alone, or no treatment, following a standard combination of FP, oxaliplatin (Ox), and Bev as first-line treatment for patients with metastatic colorectal cancer (mCRC): Results o**

Oncol Res Treat. 2014;37 5: 99-99

Hegewisch-Becker S, Arnold D, Lerchenmueller CA, Killing B, Depenbusch R, Steffens C-C, Al-Batran S-E, Lange T, Dietrich G, Stoehlmacher J, Reinacher-Schick A, Tannapfel A, Quidde J, Hinke A, Schmoll H-J, Graeven U, Arbeitsgemeinschaft Internistische

### **[Primary Hodgkin's lymphoma of the colon].**

Pathologe. 2014;35(2): 191-5

Hansen T, Hartmann F, Hiller W, Sch utz M, Oschlies I

Primary Hodgkin's lymphoma of the colon is exceedingly rare. We report on the case of a 74-year-old female patient presenting with weight loss and hematochezia. Proctocolonoscopy revealed a bleeding t [...]

### **[Update of the S3 guidelines for pancreatic cancer. What is new for pathologists?].**

Pathologe. 2014;35(5): 509-18; quiz 518-20

Munding J, L uttges J, Esposito I, Tannapfel A

The S3 guidelines for pancreatic cancer were revised in 2013. Besides the oncological and palliative therapy modalities and surgical therapy, the guidelines for pathologists in topic 3 were updated. T [...]

### **[Report of the working group on gastroenteropathology 2014].**

Pathologe. 2014;35 Suppl 2: 283

Tannapfel A

**Integration and evaluation of automated Monte Carlo simulations in the clinical practice of scanned proton and carbon ion beam therapy.**

Phys Med Biol. 2014;59(16): 4635-59

Bauer J, Sommerer F, Mairani A, Unholtz D, Farook R, Handrack J, Frey K, Marcelos T, Tessonier T, Ecker S, Ackermann B, Ellerbrock M, Debus J, Parodi K

Monte Carlo (MC) simulations of beam interaction and transport in matter are increasingly considered as essential tools to support several aspects of radiation therapy. Despite the vast application of [...]

**Baseline KL-6 predicts increased risk for acute exacerbation of idiopathic pulmonary fibrosis.**

Respir Med. 2014;108(7): 1031-9

Ohshimo S, Ishikawa N, Horimasu Y, Hattori N, Hirohashi N, Tanigawa K, Kohno N, Bonella F, Guzman J, Costabel U

Acute exacerbation (AE) is a major cause of death in idiopathic pulmonary fibrosis (IPF). However, little is known about sensitive biomarkers for predicting AE. The aim of our study was to investigate [...]

**Primary synovial chondromatosis of the hip - is arthroscopy sufficient? A review of the literature and a case report.**

Technol Health Care. 2014;22(5): 667-75

Duif C, von Schulze Pellengahr C, Ali A, Hagen M, Ficklscherer A, Stricker I, Lahner M

The purpose of this article was to evaluate the different techniques of operative treatment of primary synovial chondromatosis (PSC) of the hip. We performed a systematic review of literature of PSC a [...]

**Epidemiology of Colorectal Adenomas and Histopathological Assessment of Endoscopic Specimens in the Colorectum.**

Viszeralmedizin. 2014;30(1): 10-6

Munding J, Tannapfel A

Colorectal cancer is one of the most frequently observed neoplasms in the world. It develops from intraepithelial neoplasia of the colorectal mucosa, and these precursor lesions are also known as aden [...]

**Prognostic value of microsatellite instability and p53 expression in metastatic colorectal cancer treated with oxaliplatin and fluoropyrimidine-based chemotherapy.**

Z Gastroenterol. 2014;52(12): 1394-1401

Nöpel-Dünnebacke S, Schulmann K, Reinacher-Schick A, Porschen R, Schmiegel W, Tannapfel A, Graeven U

Purpose: The aim of this study was to evaluate the prognostic value of MSI-H and p53 overexpression in metastatic colorectal cancer (mCRC) treated with oxaliplatin and fluoropyrimidine-based first lin [...]

**Endoscopic management for patients with serrated polyposis syndrome is feasible and effective: a prospective observational study at a tertiary centre.**

Z Gastroenterol. 2014;52(8): 802-6

Knabe M, Behrens A, Ell C, Tannapfel A, Pohl J

Serrated polyposis syndrome is a rare condition in which multiple serrated lesions develop all over the colon, which is thought to be associated with an increased risk for the development of cancer. T [...]

**[Family with marked hyperferritinemia as a result of hemochromatosis type 4 (ferroportin disease)].**

Z Gastroenterol. 2014;52(9): 1075-80

Muehlenberg K, Faltermeier N, Lohse P, Tannapfel A, Pech O

Iron overload in MR-imaging with decreased signal intensity in T2 weighting of liver, spleen, adrenal gland and pituitary gland in combination with an extremely elevated ferritin level of 9859 ng/mL [...]