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Clinical Trials Study

Genomic profile concordance between pancreatic cyst fluid and neoplastic tissue

Laquière AE *et al.* Diagnosis of pancreatic cysts by NGS analysis

Arthur E Laquière, Arnaud Lagarde, Bertrand Napoléon, Raphaël Bourdariat, Alexandre Atkinson, Gianfranco Donatelli, Bernard Pol, Laurence Lecomte, Laurence Curel, Romina Urena-Campos, Thierry Helbert, Vincent Valantin, François Mithieux, Jean Pascal Buono, Philippe Grandval, Sylviane Olschwang

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Update on pancreatic cyst fluid analysis

www.ncbi.nlm.nih.gov > ... > *Ann Gastroenterol* > v.26(2); 2013

Aug 17, 2012 · **Cyst fluid** can be analyzed for tumor markers, cytology, mucins, DNA analysis and amylase. **Pancreatic cyst** CEA level is considered the most accurate tumor marker for diagnosing mucinous **cysts**. Approximately 0.2 to 1.0 mL of **cyst fluid** is required to run the test and a cut-off of 192 ng/ mL can be expected to capture ~75% of mucinous **cysts**.

Cited by: 16

Author: Matthew Rockacy, Asif Khalid

Publish Year: 2013

Simple Detection of Telomere Fusions in Pancreatic Cancer ...

<https://www.sciencedirect.com/science/article/pii/S1525157817302428>

PCR conditions were 95°C for 3 minutes (1 cycle), followed by 30 cycles of 95°C for 15 seconds, 60°C for 30 seconds, and 72°C for 90 seconds. To account for the lower neoplastic cellularity of cyst fluids, 30 ng of cyst fluid DNA was used in the assay instead of 10 ng.

Cited by: 2

Author: Tatsuo Hata, Marco Dal Molin, Anne McG...

Publish Year: 2018

Molecular analysis of pancreatic cyst fluid - Shen - 2009 ...

<https://onlinelibrary.wiley.com/doi/10.1002/cncy.20027>

METHODS: **Pancreatic cysts** that had aspirated **fluid** submitted for a commercially available molecular test (PathFinderTG) were reviewed. The CCD, defined by histology, malignant cytology, or 2 concordant tests (such as EUS, cytology, or CEA ≥192 ng/mL for mucinous **cysts**), was categorized as malignant, benign mucinous, or benign nonmucinous **cyst** in 35 patients.

Cited by: 153

Author: Jian Shen, William R. Brugge, Christophe...

Publish Year: 2009

Cyst Fluid Biosignature to Predict Intraductal Papillary ...

[https://www.journalacs.org/article/S1072-7515\(19\)30149-8/fulltext](https://www.journalacs.org/article/S1072-7515(19)30149-8/fulltext)

Figure 3. Intraductal papillary mucinous **neoplasm** (IPMN) **cyst fluid** biosignature can differentiate high from low-risk **cysts**. Lasso penalized logistic regression with cross validation identified a 3-gene **cyst fluid** signature with optimal accuracy to predict the risk of **pancreatic** malignancy in IPMN.

Author: Ajay V. Maker, Vincent Hu, Shrihari S... Publish Year: 2019

Cyst Fluid Biosignature to Predict Intraductal Papillary ...

https://www.researchgate.net/publication/331213041_Cyst_Fluid_Bio...

PDF | On Feb 1, 2019, Ajay V. Maker and others published **Cyst Fluid** Biosignature to Predict Intraductal Papillary Mucinous **Neoplasms** of the **Pancreas** with High Malignant Potential



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Cystic precursors to invasive pancreatic cancer

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3236705>

The finding of **pancreatic cysts** in patients without **pancreas**-related symptoms is mirrored by a study from our institution published in 2008 in which CT scans revealed that 2.6% of asymptomatic patients had a **pancreatic cyst**. 14 Today, the most accurate incidence rates of **pancreatic cysts** can probably be derived from meticulous necropsies.

Cited by: 145

Author: Hanno Matthaei, Richard D. Schulick, Ral...

Publish Year: 2011

Simple Detection of Telomere Fusions in Pancreatic Cancer ...

<https://www.sciencedirect.com/science/article/pii/S1525157817302428>

The collection and processing of **surgical cyst fluid samples** (n = 93) has been described previously. 22 Frozen **tissue** samples of normal **pancreas** (n = 17) and duodenum (n = 22) were obtained from **pancreatic resection** specimens after diagnostic evaluation from cases with **nonmalignant pancreatic disease**, including small localized **pancreatic neuroendocrine tumors** and serous **cyst neoplasm**. **Genomic DNA** was also isolated from 60 **pancreatic cancer** xenografts established from primary **pancreatic ...**

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Cited by: 154

Author: Jian Shen, William R. Brugge, Christophe...

Publish Year: 2009

Molecular analysis of pancreatic cyst fluid: a comparative ...

https://www.academia.edu/14386386/Molecular_analysis_of_pancreatic_cyst_fluid_a... ▾

depends on a multidisciplinary approach that incorpo- rates radiologic analysis, **cyst fluid** analysis, and/or cytol- ogy.17 Analysis of **cyst fluid** for carcinoembryonic antigen The clinical management of patients with **neoplastic** (CEA) is considered the most accurate predictor of a **cysts** of the **pancreas** is evolving as we learn more about mucinous



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Endosonography in the diagnosis and management of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4360439>

Mar 16, 2015 · Following cyst puncture with a 22-gauge needle, a syringe is used to completely aspirate cyst fluid, similar to when performing standard EUS-FNA of a pancreatic cyst. Complete evacuation of highly viscous fluid may not be possible, and saline injection (0.5-1.0 cc) may help thin the fluid to achieve this[80].

Cited by: 20

Author: Vivek Kadiyala, Linda S Lee

Publish Year: 2015

Simple Detection of Telomere Fusions in Pancreatic Cancer ...

<https://www.sciencedirect.com/science/article/pii/S1525157817302428>

Telomere end-to-end fusions are an important source of chromosomal instability that arise in cells with critically shortened telomeres. We developed a nested real-time quantitative PCR method for telomere fusion detection in pancreatic ductal adenocarcinomas, intraductal papillary mucinous neoplasms (IPMNs), and IPMN cyst fluids.

Cited by: 2

Author: Tatsuo Hata, Marco Dal Molin, Anne McG...

Publish Year: 2018

Molecular analysis of pancreatic cyst fluid - Shen - 2009 ...

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Cited by: 153

Author: Jian Shen, William R. Brugge, Christophe...

Publish Year: 2009

Oral Microbiota Mouth Off in Cystic Pancreatic Tumors

<https://www.genengnews.com/news/oral-microbiota-mouth-off-in-cystic-pancreatic-tumors> ▾

Mar 15, 2019 · They found large variations in the bacterial composition between different individuals, but also a greater presence of certain oral bacteria in fluid and tissue from cysts with high-grade ...

Author: John Sterling

Diagnostic Profiles - AACC.org

<https://www.aacc.org/publications/cln/articles/2014/may/diagnostic-profiles.aspx> ▾

VEGF-A Accurate in Distinguishing Non-Malignant Pancreatic Cysts Vascular endothelial growth factor (VEGF) A is specifically elevated in cyst fluid and tissue samples from pancreatic serous cystic