
MUDr. Jan Hrudka, Ph.D.



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Department of Pathology 3FM CU and UHKV
<https://www.lf3.cuni.cz/3LF-409.html>

Topic title

The prognostic predictive markers in penile carcinoma: a molecular and morphological study.

Rare subtypes of pancreatic carcinoma: genomic and proteomic prognostic markers.

Cholangiocarcinoma: immunohistochemical markers of peripheral and hilar subtype, link to prognostic and predictive markers.

Description of scientific activity

Jan Hrudka graduated at Third Faculty of Medicine, Charles University in Prague in 2011. He works as diagnostic pathologist. From 2011 to 2014, he worked at Institute of Pathology, Klinikum Fürth in Germany. From 2014 until today, he works at Institute of Pathology at Third Faculty of Medicine, Charles University and University Hospital Královské Vinohrady as pathologist, teacher and research worker.

The main research topic is morphological and molecular pathology of gastrointestinal and urological tumors, in terms of immunohistochemical and molecular methods to identify prognostic and predictive markers in pancreatic, biliary, colorectal, and penile carcinoma.

PhD student may participate on some of ongoing researchs, including research focused on penile carcinoma with specific financial support from Czech Health Research Council.

Selected publications

Hrudka J, Fišerová H, Jelínková K, Matěj R, Waldauf P. Cytokeratin 7 expression as a predictor of an unfavorable prognosis in colorectal carcinoma. *Sci Rep*. 2021 Sep 9;11(1):17863. doi: 10.1038/s41598-021-97480-4.

Hrudka J, Prouzová Z, Mydlíková K, Jedličková K, Holešta M, Whitley A, Havlůj L. FOXF1 as an Immunohistochemical Marker of Hilar Cholangiocarcinoma or Metastatic Pancreatic Ductal Adenocarcinoma. Single Institution Experience. *Pathol Oncol Res*. 2021 Apr 20;27:1609756. doi: 10.3389/pore.2021.1609756.

Hrudka J, Lawrie K, Waldauf P, Ciprova V, Moravcova J, Matěj R. Negative prognostic impact of PD-L1 expression in tumor cells of undifferentiated (anaplastic) carcinoma with osteoclast-like giant cells of the pancreas: study of 13 cases comparing ductal pancreatic carcinoma and review of the literature. *Virchows Arch*. 2020 Nov;477(5):687-696. doi: 10.1007/s00428-020-02830-8.

Selected or ongoing grants/clinical studies

Czech Health Research Council: The prognostic predictive markers in penile carcinoma: a molecular and morphological study. NU21J-03-00019