Urinary Biomarkers for Predicting Pancreatic Cancer

Urinary Biomarkers for Pancreatic Cancer

Preface

Abstract

List of Abbreviations

• PDAC: Pancreatic ductal adenocarcinoma

SN: sensitivitySP: specificity

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1 Introduction

https://www.gov.uk/government/statistics/cancer-survival-in-england-for-patients-diagnosed-between-2014-and-2018-and-followed-up-until-2019/cancer-survival-in-england-for-patients-diagnosed-between-2014-and-2018-and-followed-up-to-2019

2 Methods

3 Results

Table 1: Data values

Name	Full Name	Type	Unit
sample_id	Sample ID	chr	-
$patient_cohort$	Patient's Cohort	chr	-
sample_origin	Sample Origin	chr	-
age	Age of subject	dbl	_
sex	Sex of subject	chr	-
diagnosis	Diagnosis	dbl	_
stage	$\overline{\text{Stage}}$	chr	_
benign_sample_diagnosis	Benign Sample's Diagnosis	chr	_
plasma CA19 9	Blood plasma CA19-9	dbl	U/ml
creatinine	Creatinine	dbl	mg/ml
LYVE1	LYVE1	dbl	$_{ m ng/ml}$
REG1B	REG1B	dbl	ng/ml
TFF1	TFF1	dbl	ng/ml
REG1A	REG1A	dbl	ng/ml

Table 2: Description

Name	Description
sample_id	Unique string identifying each subject
$patient_cohort$	Cohort $1 =$ previously used samples; Cohort 2
	= newly added samples
$sample_origin$	BPTB: Barts Pancreas Tissue Bank, London,
	UK; ESP: Spanish National Cancer Research
	Centre, Madrid, Spain; LIV: Liverpool
	University, UK; UCL: University College
	London, UK
age	Age in years
sex	M = male; F = female
diagnosis	1 = control (no cancer); 2 = benign
	hepatobiliary disease; $3 = PDA$ (pancreatic
	cancer)
stage	The stage of the disease (IA, IB, IIA, IIB, III, IV)
$benign_sample_diagnosis$	The diagnosis for those with a benign
	diagnosis
plasma_CA19_9	Blood plasma levels of CA19-9 monoclonal
	antibody, usually elevated when pancreatic
	cancer
creatinine	Urinary biomarker of kidney function
LYVE1	Urinary levels of Lymphatic Vessel
	Endothelial Hyaluronan receptor 1
REG1B	Urinary levels of Regenerating Family
	Member 1 Beta
TFF1	Urinary levels of Trefoil Factor 1
REG1A	Urinary levels of Regenerating Family
	Member 1 Alpha

- 4 Conclusion
- 5 Discussion

6 References