

Supplementary Table 1. Previously utilized nomenclature for PLC with combinations of hepatocytic and cholangiocytic features

Combined hepatocellular-cholangiocarcinoma
Mixed hepatobiliary carcinoma
Biphenotypic (hepatobiliary) primary liver carcinoma
Combined liver cell and bile duct carcinoma
HCC with dual phenotype
HCC with stem/progenitor cell immunophenotype
Cholangiolocarcinoma
Cholangiolocellular carcinoma
Intermediate HCC
Stem cell tumor

Supplementary Table 2. Comparison of past and current nomenclatures of PLCs

Descriptive Classification	2010 WHO Classification	2017 Revised International Consensus Terminology
"Classic" HCC <i>without</i> cholangiocyte or stem/progenitor cell marker IHC	HCC	HCC
"Classic" HCC <i>with</i> cholangiocyte or stem/progenitor cell marker IHC	HCC, NOS	HCC - List marker staining and % of tumor positivity in report
"Classic" HCC with stem/progenitor cell features noted by H & E	HCC, NOS	HCC -stem cell features/phenotypes noted in report
"Classic" iCCA without IHC for hepatocyte markers	iCCA, NOS	iCCA
"Classic" iCCA with IHC for hepatocyte markers	iCCA, unclassified	iCCA -List hepatocyte markers and % positivity in report
cHCC-CC	cHCC-CC	cHCC-CCa
cHCC-CC with "typical" stem/progenitor cell features	cHCC-CC , "typical" stem cell subtype	-List each component and % in report
Cholangiolocarcinoma	Cholangiolocarcinoma	Cholangiolocarcinoma
Cholangiolo-predominant carcinomas with HCC component	Unclassified	cHCC-CLC -List each component and % in report
Cholangiolocarcinoma present within iCCA	Unclassified	ciCCA-CLC -List each component and % in report

<p>Cholangiolo- predominant carcinomas with HCC and iCCA</p>	<p>cHCC-CC, cholangiolocellular subtype</p>	<p>cHCC-CCA-CLC -List each component and % in report</p>
<p>cHCC-CC with “intermediate” features</p>	<p>“intermediate” stem cell subtype</p>	<p>Intermediate cell carcinoma</p>

