Supplementary data

Table S1. Details of Cox proportional hazard models regarding abscess recurrence during follow-up.

	Univariable				Multivariable			
	Sig.	**H.R.**	**95% CI**		**Sig.**	**H.R.**	**95% CI**	
Study group (control)	0.219	0.520	0.183	1.475				
Age	0.255	0.974	0.930	1.019				
Sex (male)	0.345	1.582	0.610	4.101				
Smoking	0.475	0.680	0.236	1.958				
Disease duration	0.706	0.988	0.927	1.053				
Localization[+]	0.671	0.898	0.547	1.475				
Perianal disease	0.472	1.440	0.532	3.895				
Advanced treatment at baseline	0.579	1.314	0.500	3.453				
Systemic steroid use at baseline	0.299	1.694	0.626	4.583				
Antibiotic use baseline	0.977	0.979	0.224	4.281				
CDAI	0.178	0.997	0.994	1.001	-	-	-	-
CRP	0.667	1.001	0.996	1.007				
Procalcitonin	0.831	0.955	0.626	1.457				
Fistula present	0.195	1.993	0.702	5.659	-	-	-	-
Elective resection	0.181	0.490	0.173	1.392	0.160	0.473	0.166	1.343
Abscess diameter	0.359	1.010	0.989	1.032				

Events per variable in final multivariable model: 17/3

[+]Montreal classification

Abbreviations: Sig: significance level, H.R.: hazard ratio, 95% CI: 95% confidence interval, CDAI: Crohn's Disease Activity Index, CRP: C-reactive protein

Table S2. Details of logistic regression models regarding permanent stoma need during follow-up.

	Univariable				Multivariable			
	Sig.	**O.R.**	**95% CI**		**Sig.**	**O.R.**	**95% CI**	
Study group (control)	0.157	1.835	0.792	4.254	0.157	1.835	0.792	4.254
Age	0.450	0.985	0.948	1.024				
Sex (male)	0.814	0.905	0.394	2.079				
Smoking	0.832	1.100	0.456	2.651				
Disease duration	0.596	1.014	0.962	1.070				
Localization[+]	0.450	1.191	0.757	1.872				
Perianal disease	0.668	0.812	0.312	2.108				
Advanced treatment at baseline	0.733	0.857	0.354	2.078				
Systemic steroid use at baseline	0.781	0.878	0.351	2.197				
Antibiotic use baseline	0.390	0.571	0.159	2.049				
CDAI	0.535	0.999	0.995	1.002				
CRP	0.696	1.001	0.996	1.006				
Procalcitonin	0.614	0.823	0.386	1.754				
Fistula present	0.599	1.250	0.545	2.869				
Elective resection	-	-	-	-				
Abscess diameter	0.720	1.004	0.983	1.026				

Events per variable in final multivariable model: 13/1

[+]Montreal classification

Abbreviations: Sig: significance level, O.R.: odds ratio (exp(B)), 95% CI: 95% confidence interval, CDAI: Crohn's Disease Activity Index, CRP: C-reactive protein

Table S3. Details of logistic regression models regarding postoperative luminal recurrence during follow-up.

	Univariable				Multivariable			
	Sig.	**O.R.**	**95% CI**		**Sig.**	**O.R.**	**95% CI**	
Study group (control)	0.813	0.901	0.379	2.141				
Age	0.925	1.002	0.964	1.041				
Sex (male)	0.481	0.728	0.301	1.759				
Smoking	0.796	0.890	0.369	2.148				
Disease duration	0.719	1.011	0.952	1.074				
Localization[+]	0.602	1.133	0.708	1.816				
Perianal disease	0.225	1.756	0.707	4.363				
Advanced treatment at baseline	**0.009**	3.326	1.349	8.199	**0.018**	3.178	1.221	8.268
Systemic steroid use at baseline	0.649	1.243	0.488	3.163				
Antibiotic use baseline	0.987	0.988	0.246	3.967				
CDAI	0.582	1.001	0.997	1.005				
CRP	0.810	0.999	0.994	1.005				
Procalcitonin	0.282	0.052	0.000	11.477				
Fistula present	0.112	2.077	0.843	5.119	-	-	-	-
Elective resection	-	-	-	-				
Abscess diameter	**0.004**	1.046	1.014	1.078	**0.007**	1.044	1.012	1.078

Events per variable in final multivariable model: 38/2

[+]Montreal classification

Abbreviations: Sig: significance level, O.R.: odds ratio (exp(B)), 95% CI: 95% confidence interval, CDAI: Crohn's Disease Activity Index, CRP: C-reactive protein, , -: the variable was dropped from the multivariable model

Table S4. Details of Cox proportional hazard models regarding need for hospital admission during follow-up.

	Univariable				Multivariable			
	Sig.	**H.R.**	**95% CI**		**Sig.**	**H.R.**	**95% CI**	
Study group (PD)	**0.005**	2.405	1.303	4.439	**-**	-	-	-
Age	0.985	1.000	0.973	1.027				
Sex (male)	0.930	0.973	0.531	1.784				
Smoking	0.675	1.147	0.604	2.177				
Disease duration	0.237	0.976	0.937	1.016				
Localization[+]	0.054	0.738	0.542	1.005	-	-	-	-
Perianal disease	0.591	0.829	0.418	1.644				
Advanced treatment at baseline	0.498	1.236	0.670	2.280				
Systemic steroid use at baseline	0.984	1.007	0.507	1.998				
Antibiotic use baseline	0.421	0.701	0.294	1.667				
CDAI	0.935	1.000	0.998	1.003				
CRP	0.111	1.003	0.999	1.007	**0.025**	1.006	1.001	1.011
Procalcitonin	**0.016**	1.203	1.035	1.398	-	-	-	-
Fistula present	0.417	0.780	0.429	1.420				
Elective resection	0.479	1.365	0.576	3.237				
Abscess diameter	0.525	0.995	0.978	1.011				

Events per variable in final multivariable model: 43/4

[+]Montreal classification

Abbreviations: Sig: significance level, H.R.: hazard ratio, 95% CI: 95% confidence interval, CDAI: Crohn's Disease Activity Index, CRP: C-reactive protein, -: the variable was dropped from the multivariable model

Table S5. Details of logistic regression models regarding need for new biological treatment initiation during follow-up.

	Univariable				Multivariable			
	Sig.	**O.R.**	**95% CI**		**Sig.**	**O.R.**	**95% CI**	
Study group (control)	0.834	0.935	0.497	1.758				
Age	0.243	0.984	0.957	1.011				
Sex (male)	0.905	1.039	0.551	1.959				
Smoking	0.437	0.769	0.397	1.491				
Disease duration	**0.079**	0.963	0.923	1.004	-	-	-	-
Localization[+]	0.170	1.264	0.905	1.766	-	-	-	-
Perianal disease	0.299	0.688	0.340	1.393				
Advanced treatment at baseline	**0.020**	0.450	0.230	0.881	0.058	0.500	0.244	1.023
Systemic steroid use at baseline	0.962	1.018	0.493	2.099				
Antibiotic use baseline	**0.044**	3.047	1.031	9.008	-	-	-	-
CDAI	**0.007**	1.004	1.001	1.007	**0.002**	1.005	1.002	1.008
CRP	0.437	0.998	0.995	1.002				
Procalcitonin	0.220	0.813	0.584	1.132				
Fistula present	0.063	0.547	0.289	1.033	0.073	0.531	0.265	1.062
Elective resection	**0.011**	3.158	1.296	7.694	-	-	-	-
Abscess diameter	**0.045**	0.982	0.966	1.000	**0.023**	0.978	0.960	0.997

Events per variable in final multivariable model: 80/6

[+]Montreal classification

Abbreviations: Sig: significance level, O.R.: odds ratio (exp(B)), 95% CI: 95% confidence interval, CDAI: Crohn's Disease Activity Index, CRP: C-reactive protein, -: the variable was dropped from the multivariable model

Table S6. Details of logistic regression models regarding re-drainage need during follow-up in PD group.

	Univariable				Multivariable			
	Sig.	**O.R.**	**95% CI**		**Sig.**	**O.R.**	**95% CI**	
Age	0.609	0.981	0.913	1.055				
Sex (male)	0.460	0.619	0.174	2.205				
Smoking	0.281	2.057	0.555	7.622				
Disease duration	0.188	0.929	0.833	1.037	-	-	-	-
Localization[+]	0.388	1.839	0.462	7.322				
Perianal disease	0.562	0.649	0.150	2.798				
Advanced treatment at baseline	0.045	3.794	1.029	13.981	-	-	-	-
Systemic steroid use at baseline	0.251	2.161	0.579	8.063				
Antibiotic use baseline	0.248	0.324	0.048	2.192				
CDAI	0.167	1.013	0.995	1.032	-	-	-	-
CRP	0.376	1.008	0.990	1.027				
Procalcitonin	0.216	.762	0.496	1.172				
Fistula present	0.897	1.156	0.128	10.413				
Elective resection	0.606	2.202	0.110	44.017				
Abscess diameter	0.076	0.907	0.814	1.010	-	-	-	-
Time to PD (week)	0.076	0.863	0.734	1.015	-	-	-	-

Events per variable in final multivariable model: 14/5

[+]Montreal classification

Abbreviations: Sig: significance level, O.R.: odds ratio (exp(B)), 95% CI: 95% confidence interval, PD: percutaneous drainage, CDAI: Crohn's Disease Activity Index, CRP: C-reactive protein