Increased Duodenal Mucosa Infiltration by Mast Cells in Rats with Portal Hypertension

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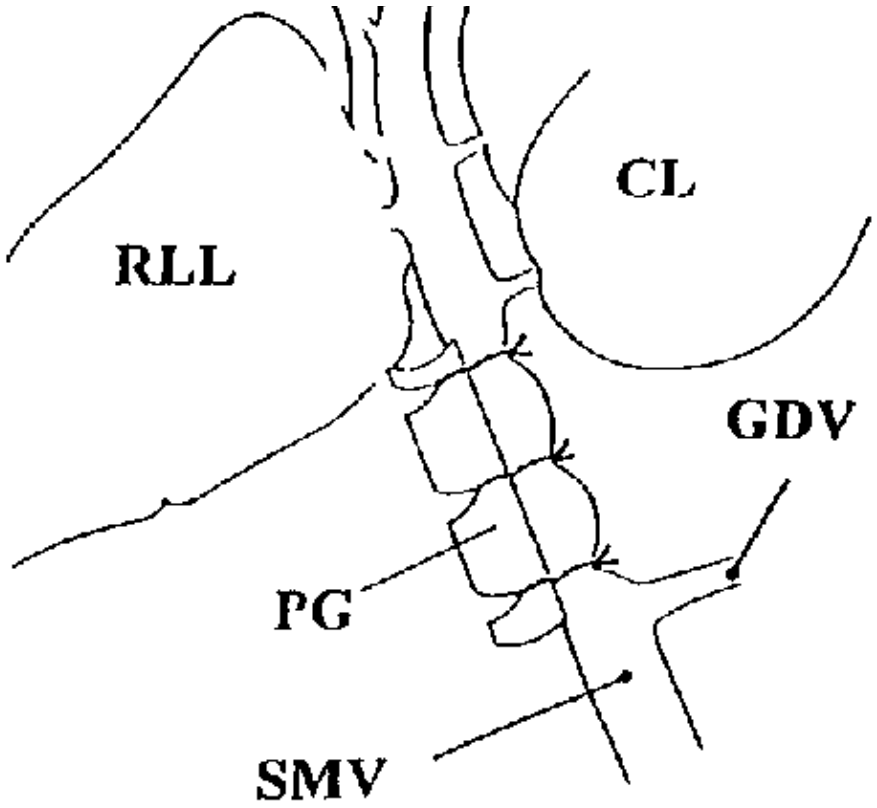

Fig. 1. Surgical technique of triple portal vein stenosis. The three stenosing ligatures are fixed in a silastic guide. PG = Portal guide; RLL = right lateral lobe; CL = caudate lobe; SMV = superior mesenteric vein; GDV = gastroduodenal vein.

Table 2. Number, diameter and surface of the vessel of the duodenal mucosa and submucosa and number of mast cells in control (C) rats, in rats with a single portal vein stenosis (SPVS) and in rats with a triple portal vein stenosis (TPVS)

Rat	Vessels	Vascular diameter, μm	Vascular surface, μm^2	Mast cells

Group I				
C_1	18	12.31	4,275.75	3.50
C_2	18	8.05	1,938.38	4.80
C_3	17	9.47	1,348.83	3.80
C_4	21	17.08	5,211.61	1.80
C_5	19	16.13	4,503.53	2.40
Group II				
$SPVS_1$	28	18.94	12,641.01	10.00
$SPVS_2$	20	22.25	10,324.03	10.50
$SPVS_3$	24	15.63	11,357.08	8.80
$SPVS_4$	27	20.88	13,040.34	12.00
$SPVS_5$	26	22.78	16,384.06	12.40
Group III				
$TPVS_1$	22	19.41	117,900.07	25.50
$TPVS_2$	55	29.36	72,445.42	21.10
$TPVS_3$	30	15.63	14,439.06	13.30
$TPVS_4$	26	19.41	17,879.27	30.80
$TPVS_5$	32	30.78	34,220.94	21.80

The number of mast cells corresponds to the mean value of 10 fields from each rat.

The vascular diameter is expressed as the median value of the number of vessels present in a cross-section from each rat.