

Single-Anastomosis Duodeno-Ileal Bypass with Sleeve Gastrectomy Model in Mice

Samuel Frey^{1,2}, Audrey Ayer¹, Thibaud Sotin¹, Victoria Lorant¹, Bertrand Cariou¹, Claire Blanchard^{*1,2}, Cédric Le May^{*1}

¹CHU Nantes, CNRS, INSERM, l'institut du thorax, Nantes Université ²Chirurgie Cancérologique, Digestive et Endocrinienne, Institut des Maladies de l'Appareil Digestif, Hôtel Dieu, CHU Nantes

* These authors contributed equally

Corresponding Author

Claire Blanchard

claire.blanchard@chu-nantes.fr

Citation

Frey, S., Ayer, A., Sotin, T., Lorant, V., Cariou, B., Blanchard, C., Le May, C. Single-Anastomosis Duodeno-Ileal Bypass with Sleeve Gastrectomy Model in Mice. *J. Vis. Exp.* (192), e64610, doi:10.3791/64610 (2023).

Date Published

February 10, 2023

DOI

10.3791/64610

URL

jove.com/video/64610

Materials

Name	Company	Catalog Number	Comments
Agagani needle 26 G	Terumo	050101B	26 G needle
Betadine dermique	Pharma-gdd	3300931499787	Povidone solution
Betadine scrub	Pharma-gdd	3400931499787	Povidone solution
Binocular microscope	Optika Microscopes Italy	SZN-9	Binocular stereomicroscope
Buprecare	Animalcare	3760087151244	Buprenorphin
Castroviejo, straight 9 cm	F.S.T	12060-02	Micro scissors
Castroviejo, straight 9 cm	F.S.T	12060-02	Needle holder
Chlorure de sodium Fresenius 0.9%	Fresenius Kabi	BE182743	NaCl 0.9%
Clamoxyl	Med'vet	5414736007496	Amoxicilline
Cotton buds	Comed	2510805	Cotton swabs
Element HT5	Scilvet	Element HT5	Automated hematology analyzer
Emeprid	CEVA	3411111914365	Metoclopramid
Extra Fine Graefe Forceps, curved (tip width: 0.5 mm)	F.S.T	11152-10	Surgical forceps
Extra Fine Graefe Forceps, straight (tip width: 0.5 mm)	F.S.T	11150-10	Surgical forceps
Fercobsang	Vetoprice	QB03AE04	Iron, multivitamins and minerals
Forane	Baxter	1001936060	Isoflurane
Graefe forceps, straight (tip width: 0.8 mm)	F.S.T	11050-10	Forceps
Graphpad Prism version 8.0	GraphPad Software, Inc.	Version 8.0	Software for statistical analysis
Heat pad	Intellibio innovation	A-2101-00300	Heat pad
Incubator	Bioconcept Technologies	Manufactured on demand	Incubator
Lighting	Optika Microscopes Italy	CL-30	Lighting for microscopy
Ocrygel	Med'vet	3700454505621	Carbopitol 980 NF
Pangen 2.5 cm x 3.5 cm	Urgovet	A02978	Haemostatic collagen compress

Prolene 6/0	B.Braun	3097915	Optilene 6/0 (0.7 metric) 75 cm 2XDR13 CV2 RCP, suture cord
Prolene 8/0	Ethicon	8732	2 x BV175-6 MP, 3/8 Circle, 8 mm, suture cord
Scissors	F.S.T	146168-09	Surgical scissors
Sterile compresses	Laboartoire Sylamed	211S05-50	Non-woven sterile compressed
Terumo Syringe	Terumo	50828	1 mL syringe
Titanium hemostatic clip	Péters Surgical	B2180-1	Surgical clip
Vannas Wolff	F.S.T	15009-08	Micro scissors
Vita Rongeur	Virbac	3597133087611	Vitamin supplementation
Vitaltec stainless	Péters Surgical	PB 220-EB Medium	Surgical clip applier