

**Cancer and anesthesia - how does the choice of anesthesia affect cancer development?**

**Case: Review article: Wiebrecht Debel et al., 2023; Cancers 2023, 15(1), 209; <https://doi.org/10.3390/cancers15010209>**

Reference	Journal	Questionable journal?	PubMed ID	Date/report	Problem	PubPeer report	Comment
10	Eur Rev Med Pharm Sci	Yes	27608913	apr.23	Fabrication of data	<a href="https://pubpeer.com/publications/DD1C80B2598D6E7399B24C2E169F13#null">https://pubpeer.com/publications/DD1C80B2598D6E7399B24C2E169F13#null</a>	
11	Genetics Mol Res	Yes	23315866		Weak data/low quality (in vitro/cell lines)		
18	Oncotarget	Yes	27028996		Weak data (in vitro, cell lines)		
19	Br J Cancer		25072260	apr.23	Weak data (in vitro, cell lines), duplication of data	<a href="https://pubpeer.com/publications/F10493EE75F499B4922569ED4CE9B8#null">https://pubpeer.com/publications/F10493EE75F499B4922569ED4CE9B8#null</a>	
20	Anesthesiology		21862885		Weak data (in vitro, cell lines).		
21	Anticancer Res	Yes	31704831		Weak data (in vitro, cell lines, no raw data)		
22	Life Sciences	Yes	31626792	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/397613A70D718BC773CBFD12A89B45#null">https://pubpeer.com/publications/397613A70D718BC773CBFD12A89B45#null</a>	
23	Oncology Reports	Yes	33125091	apr.23	Weak and questionable data	<a href="https://pubpeer.com/publications/02D58B1F981D4B3D6FC7FC7E541B96#null">https://pubpeer.com/publications/02D58B1F981D4B3D6FC7FC7E541B96#null</a>	
24	Neoplasma	Yes	31305122	apr.23	Weak and questionable data, duplication	<a href="https://pubpeer.com/publications/A29A380A9D178B757D6599ABC06898#null">https://pubpeer.com/publications/A29A380A9D178B757D6599ABC06898#null</a>	
25	Eur. J Pharmacology	Yes	30685432	apr.23	Weak and questionable data, duplications	<a href="https://pubpeer.com/publications/8832147D4135C7E759867A39862A3F#null">https://pubpeer.com/publications/8832147D4135C7E759867A39862A3F#null</a>	
26	Br J Cancer		29406185		Weak data (in vitro, cell lines)		
27	Eur Rev Med Pharm Res	Yes	33275259		Weak data (cell lines), xenograft: low variation		
29	Anesthesiology		32412720	apr.23	Weak data (cell lines), duplications, errors	<a href="https://pubpeer.com/publications/6EC73ABEF2E5D1DAAA83644D0EF178">https://pubpeer.com/publications/6EC73ABEF2E5D1DAAA83644D0EF178</a>	
30	Anticancer Res	Yes	24122989		Weak data (cell lines, no raw data)		
31	BMC Anesthesiology		32993507		Weak data (cell lines, minimal raw data)		
34	Eur Rev Med Pharm Res	Yes	32495888	apr.23	Questionable data, Flow cytometry/Western IB.	<a href="https://pubpeer.com/publications/CFD9FAB9D23C32B345C39ACBDAFF22">https://pubpeer.com/publications/CFD9FAB9D23C32B345C39ACBDAFF22</a>	
42	Oncology Reports	Yes	28035403	apr.23	Weak data (cell lines), duplications	<a href="https://pubpeer.com/publications/678CBD275845719405A2A648C3E389#null">https://pubpeer.com/publications/678CBD275845719405A2A648C3E389#null</a>	
43	Oncology Reports	Yes	28426124	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/624D7ED6D5A744DC0D23940638FE58#null">https://pubpeer.com/publications/624D7ED6D5A744DC0D23940638FE58#null</a>	
44	Brazilian J Med Biol Res	Yes	29490000	feb.20	Duplication/Fabrication of data, papermill	<a href="https://pubpeer.com/publications/8B216C9E035D317BE58EBF62DDA18">https://pubpeer.com/publications/8B216C9E035D317BE58EBF62DDA18</a>	
45	Medical Science Monitor	Yes	28118321	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/5D681B07E4E73CFD669E252C0D2DCF">https://pubpeer.com/publications/5D681B07E4E73CFD669E252C0D2DCF</a>	Incorrect journal in reference
46	Oncology Research	Yes	24762226	apr.21	Duplication of data, papermill	<a href="https://pubpeer.com/publications/76C21E5DE09ADFCA4FA1CD6F8D480">https://pubpeer.com/publications/76C21E5DE09ADFCA4FA1CD6F8D480</a>	
47	Anticancer Res	Yes	23155249	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/D9A5F12AC36A80993ADBCBDCA4D4CC">https://pubpeer.com/publications/D9A5F12AC36A80993ADBCBDCA4D4CC</a>	
48	Brazilian J Med Biol Res	Yes	27982283	mai.20	Duplication of data	<a href="https://pubpeer.com/publications/706F10F4D7510BCE08C7025BE82B1#null">https://pubpeer.com/publications/706F10F4D7510BCE08C7025BE82B1#null</a>	
49	Biomed Pharmacotherapy	Yes	22264881		Weak data (cell lines)		
50	Biomed Pharmacotherapy	Yes	20888181	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/E9CF2C5E0B030DF8EE000BEC10DD5E">https://pubpeer.com/publications/E9CF2C5E0B030DF8EE000BEC10DD5E</a>	
51	Genetics Mol Res	Yes	27173190	apr.21	Duplication of data	<a href="https://pubpeer.com/publications/01382C6A86DEBCE48CD3BA552E946D">https://pubpeer.com/publications/01382C6A86DEBCE48CD3BA552E946D</a>	
52	Mol Med Reports	Yes	26133092	apr.21	Duplication of data	<a href="https://pubpeer.com/publications/7FCDAF5D78B00CD44E42C76C1EC35">https://pubpeer.com/publications/7FCDAF5D78B00CD44E42C76C1EC35</a>	
53	Medical Science Monitor	Yes	32115570	sep.20	Duplication of data	<a href="https://pubpeer.com/publications/25148D823119D8BAC3025A9143AC80">https://pubpeer.com/publications/25148D823119D8BAC3025A9143AC80</a>	
54	Cancer Medicine	Yes	31953926	jan.20	Duplication of data	<a href="https://pubpeer.com/publications/89C250C2D3A4271641870B4B3952FE">https://pubpeer.com/publications/89C250C2D3A4271641870B4B3952FE</a>	
55	Tumor Biology	Yes	24510348	apr.23	Questionable data, statistical issues	<a href="https://pubpeer.com/publications/54E04E4DFA58F9D58730F5A2F4FC0F">https://pubpeer.com/publications/54E04E4DFA58F9D58730F5A2F4FC0F</a>	
56	J Cellular Biochemistry	Yes	31104336	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/875932FAB9A6B08AAF91D7AD6A1854#null">https://pubpeer.com/publications/875932FAB9A6B08AAF91D7AD6A1854#null</a>	
57	Mol Med Reports	Yes	33846791	apr.23	Questionable data, citing	<a href="https://pubpeer.com/publications/9C19C704FAB7CD204C10C98E22AAB1">https://pubpeer.com/publications/9C19C704FAB7CD204C10C98E22AAB1</a>	
58	Eur Rev Med Pharm Res	Yes	24089228		Weak data, mostly graphical		
59	J Transl Med	?	34789263	apr.23	Duplication of data, questionable data	<a href="https://pubpeer.com/publications/40B069397EB774F06D2ADD0841B5D#null">https://pubpeer.com/publications/40B069397EB774F06D2ADD0841B5D#null</a>	
61	Anticancer Res	Yes	24596379		Weak data, only graphical illustrations		
62	Cancer Biomarkers	?	29103019	sep.20	Duplication of data	<a href="https://pubpeer.com/publications/4252A2F1127718A5E071B536FF474E#null">https://pubpeer.com/publications/4252A2F1127718A5E071B536FF474E#null</a>	
63	Am J Transl Res	Yes	27829997	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/8F8862A5C882A0E23FB50E1786CD05#null">https://pubpeer.com/publications/8F8862A5C882A0E23FB50E1786CD05#null</a>	
64	Brazilian J Med Biol Res	Yes	28076456	mai.20	Duplication of data, papermill	<a href="https://pubpeer.com/publications/0D9CC13FFE34967C436B69AFA8BA50">https://pubpeer.com/publications/0D9CC13FFE34967C436B69AFA8BA50</a>	
65	Cell Biol Int	Yes	23319430		Weak data, cell line, mostly graphical illustra		
66	Anesthesia & Analgesia		32925348	apr.23	Data duplication, weak data (cell lines)	<a href="https://pubpeer.com/publications/97D9FA2E087F24899E75160561FE1E">https://pubpeer.com/publications/97D9FA2E087F24899E75160561FE1E</a>	
67	Bioengineered	Yes	32303144	feb.21	Nonsensical content	<a href="https://pubpeer.com/publications/1C3457DF7E84EFC38207022563F86B">https://pubpeer.com/publications/1C3457DF7E84EFC38207022563F86B</a>	
68	BMC Cancer	Yes	30547768	feb.20	Fabrication of data (papermill)	<a href="https://pubpeer.com/publications/FDB8ABCA19AA8A845DBC1CFFE8A8F22">https://pubpeer.com/publications/FDB8ABCA19AA8A845DBC1CFFE8A8F22</a>	
69	Oncol Rep	Yes	27840947		Weak data, cell lines, questionable data		
70	Eur J Gynaec Oncol		2556276		Weak data, cell lines, only graphical illustrations		
73	Cell Cycle	Yes	32857667	apr.23	Questionable data and presentation	<a href="https://pubpeer.com/publications/5EC531A5945D45C4398020215D6D29">https://pubpeer.com/publications/5EC531A5945D45C4398020215D6D29</a>	
74	Eur J Anaesthesiol		16119598		Weak data, cell lines		
75	Int J Mol Med	Yes	32705160	apr.23	Duplication of data, questionable data	<a href="https://pubpeer.com/publications/F0C596AEF6DBDADD1A6C1D955BB4C8#null">https://pubpeer.com/publications/F0C596AEF6DBDADD1A6C1D955BB4C8#null</a>	
76	Eur J Pharmacology	Yes	27986626	apr.23	Duplication of data, questionable data	<a href="https://pubpeer.com/publications/B9F560BFA1BCC41D87E7D9DE0D0B00">https://pubpeer.com/publications/B9F560BFA1BCC41D87E7D9DE0D0B00</a>	
78	Anesthesiology				Homogenous patient characteristics?		
82	Genetics Mol Res	Yes	26214431	apr.21	Duplication of data	<a href="https://pubpeer.com/publications/15A869296D06616801F837ADE70E21">https://pubpeer.com/publications/15A869296D06616801F837ADE70E21</a>	
85	Br J of Anaesthesia		24861561		Questionable data (tumor weight in mice).		
87	Chem. Biol. Drug Des.		19691469		Weak data, cell lines, mRNA, only graphical illust.		
98	Br J of Anaesthesia		25009196	apr.23	Duplication of data	<a href="https://pubpeer.com/publications/B95D0D8E478C23C987A754D15689DA">https://pubpeer.com/publications/B95D0D8E478C23C987A754D15689DA</a>	
103	Oncotarget	Yes	23633472	aug.22	Discontinuity, authors did not respond	<a href="https://pubpeer.com/publications/C178EA4994F33171EE0B9EA4D3576D">https://pubpeer.com/publications/C178EA4994F33171EE0B9EA4D3576D</a>	
108	J Thorac Dis	?	27867550	apr.23	Duplication of data, weak data (cell lines)	<a href="https://pubpeer.com/publications/788143B9F8C0BCF1475ADB803E23A4#null">https://pubpeer.com/publications/788143B9F8C0BCF1475ADB803E23A4#null</a>	

