Study		Risk Ratio		RR	95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Guo2019 Omitting Liu2016 Omitting Liu2018 Omitting Liu2015 Omitting Ma2015 Omitting Pan2015 Omitting Sun2020 Omitting Yang2018 Omitting Yu2015 Omitting Zhang2018 Omitting Zhang2018			···+++++++++++++++++++++++++++++++++++	1.88 1.90 1.88 1.88 1.86 1.89 2.02 1.78 1.82 1.95 1.97 1.83 2.00 2.04 1.88	[1.53; 2.36] [1.52; 2.34] [1.53; 2.36] [1.51; 2.35] [1.51; 2.33] [1.49; 2.31] [1.52; 2.36] [1.60; 2.54] [1.43; 2.22] [1.46; 2.26] [1.55; 2.44] [1.57; 2.46] [1.57; 2.54] [1.60; 2.61] [1.51; 2.33]
Fixed effect model				1.90	[1.53; 2.36]
	0.5	1	2		

Supplementary Figure 1: Forest plot of senesitivity for CR.

Study	I	Risk Ratio	RR	95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Guo2019 Omitting Liu2016 Omitting Liu2016 Omitting LiuY2016 Omitting Ma2015 Omitting Pan2015 Omitting Sun2018 Omitting Sun2020 Omitting Yang2018 Omitting Zhang2018 Omitting Zhang2018 Omitting Zhang2020 Omitting Zhang2020			1.25 1.30 1.27 1.28 1.28 1.28 1.20 1.27 1.26 - 1.32 1.29 1.27 1.26	$ \begin{bmatrix} 1.10; 1.44 \\ 1.10; 1.44 \\ 1.14; 1.48 \\ 1.11; 1.45 \\ 1.12; 1.47 \\ 1.12; 1.47 \\ 1.12; 1.47 \\ 1.13; 1.49 \\ 1.11; 1.46 \\ 1.15; 1.50 \\ 1.12; 1.45 \\ 1.10; 1.44 \\ 1.16; 1.50 \\ 1.13; 1.47 \\ 1.11; 1.45 \\ 1.10; 1.10; 1.45 \\ 1.10; 1.10; 1.45 \\ 1.10; 1.$
Fixed effect model			1.28	[1.12; 1.46]
	0.75	1 1	.5	

Supplementary Figure 2: Forest plot of senesitivity for PR.

Study	Risk	Ratio	RR	95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Guo2019 Omitting Liu2016 Omitting LiuJ2018 Omitting Ma2015 Omitting Ma2015 Omitting Sun2018 Omitting Sun2020 Omitting Yang2018 Omitting Yu2015 Omitting Zhang2018 Omitting Zhang2020 Omitting Zhang2016 Fixed effect model		********	1.25 1.30 1.27 1.27 1.28 1.28 1.30 1.27 1.31 1.27 1.26 1.32 1.29 1.27 1.26	[1.10; 1.44] [1.10; 1.44] [1.14; 1.48] [1.11; 1.45] [1.11; 1.45] [1.12; 1.47] [1.12; 1.46] [1.13; 1.49] [1.11; 1.46] [1.15; 1.50] [1.12; 1.45] [1.10; 1.44] [1.16; 1.50] [1.13; 1.47] [1.11; 1.45] [1.10; 1.45]
Fixed effect model			1.20	[1.12; 1.46]
	0.75	1 1.	5	

Supplementary Figure 3: Forest plot of senesitivity for S.

Study	Risk Ratio	RR 95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Guo2019 Omitting Liu2016 Omitting LiuLJ2018 Omitting LiuLJ2018 Omitting Ma2015 Omitting Ma2015 Omitting Sun2018 Omitting Sun2018 Omitting Yang2018 Omitting Yu2015 Omitting Zhang2018 Omitting Zhang2020		$\begin{array}{cccccc} 0.36 & [0.25; 0.51] \\ 0.41 & [0.30; 0.57] \\ 0.39 & [0.29; 0.55] \\ 0.39 & [0.27; 0.55] \\ 0.40 & [0.29; 0.56] \\ 0.36 & [0.25; 0.53] \\ 0.39 & [0.28; 0.54] \\ 0.39 & [0.28; 0.54] \\ 0.43 & [0.31; 0.60] \\ 0.39 & [0.29; 0.55] \\ 0.39 & [0.28; 0.54] \\ 0.40 & [0.28; 0.56] \\ 0.39 & [0.28; 0.54] \\ 0.40 & [0.29; 0.56] \\ 0.39 & [0.28; 0.56] \\ 0.42 & [0.30; 0.58] \\ 0.42 & [0.30; 0.58] \\ 0.40 & [0.29; 0.56] \\ 0.42 & [0.30; 0.58] \\ 0.42 & [0.$
Omitting Zhao2016 Fixed effect model		0.39 [0.28; 0.55] 0.39 [0.29; 0.55]
	0.5 1 2	(DD

Supplementary Figure 4: Forest plot of senesitivity for PD.

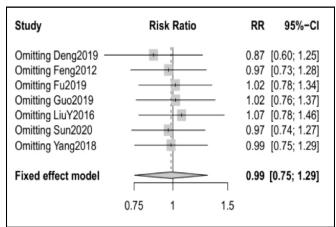
Study		Risk Ratio		RR	95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Guo2019 Omitting Liu2016 Omitting LiuLJ2018 Omitting Ma2015 Omitting Ma2015 Omitting Sun2018 Omitting Sun2020 Omitting Yang2018 Omitting Yang2018 Omitting Zhang2018 Omitting Zhang2018 Omitting Zhang2020 Omitting Zhang2016 Fixed effect model			 <u></u> + + + + + + + + + + + + +	1.44 1.47 1.45 1.45 1.45 1.45 1.45 1.45 1.46 1.46 1.46 1.46 1.47 1.47 1.47	[1.33; 1.58] [1.32; 1.57] [1.35; 1.61] [1.33; 1.57] [1.33; 1.58] [1.33; 1.58] [1.33; 1.59] [1.37; 1.64] [1.31; 1.55] [1.34; 1.59] [1.34; 1.59] [1.34; 1.59] [1.34; 1.61] [1.34; 1.61] [1.33; 1.58] [1.34; 1.58]
	0.75	1	1.5		

Supplementary Figure 5: Forest plot of senesitivity for ORR.

Study	Ris	k Ratio	RR	95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Gu2019 Omitting Liu2016 Omitting Liu2016 Omitting Liu2016 Omitting Ma2015 Omitting Pan2015 Omitting Sun2020 Omitting Sun2020 Omitting Yang2018 Omitting Yu2015 Omitting Zhang2018 Omitting Zhang2020 Omitting Zhang2016		*****	$\begin{array}{c} 1.13\\ 1.14\\ 1.12\\ 1.13\\ 1.12\\ 1.14\\ 1.14\\ 1.12\\ 1.14\\ 1.14\\ 1.12\\ 1.14\\ 1.14\\ 1.13\end{array}$	$ \begin{bmatrix} 1.09; 1.19 \\ 1.08; 1.18 \\ 1.09; 1.19 \\ 1.08; 1.17 \\ 1.08; 1.17 \\ 1.08; 1.17 \\ 1.09; 1.20 \\ 1.09; 1.20 \\ 1.07; 1.17 \\ 1.09; 1.20 \\ 1.09; 1.20 \\ 1.09; 1.19 \\ 1.08; 1.17 \\ 1.09; 1.19 \\ 1.08; 1.18 \\ 1.09; 1.19 \\ 1.09; 1.09; 1.09 \\ 1.09; 1.09; 1.09 \\ 1.09; 1.09; 1.09 \\ 1.09; 1.09; 1.09; 1.09 \\ 1.09; $
Fixed effect model			1.13	[1.09; 1.18]
	0.9	1 1.1		

Supplementary Figure 6: Forest plot of senesitivity for DCR.

Study	Risk Ratio	RR 95%-CI
Omitting Fu2019 Omitting Guo2019 Omitting Ma2015 Omitting Pan2015 Omitting Sun2020 Omitting Wang2016 Omitting Zhang2020		1.13 [1.03; 1.25] 1.10 [1.00; 1.21] 1.09 [1.00; 1.19] 1.10 [1.00; 1.20] 1.10 [1.01; 1.21] - 1.22 [1.11; 1.34] - 1.16 [1.04; 1.29]
Fixed effect model		1.13 [1.03; 1.23]
0.8	1 1.2	5



Supplementary Figure 7: Forest plot of senesitivity for one-year OS.

Study	Risk Ratio	RR	95%-CI
Omitting Fu2019 Omitting Ma2015 Omitting Pan2015 Omitting Sun2020 Omitting Wang2016 Omitting Zhang2020 Omitting Zhao2016	*****	1.51 1.45 1.51 - 1.62 1.50	[1.30; 1.83] [1.29; 1.76] [1.24; 1.71] [1.28; 1.79] [1.38; 1.90] [1.25; 1.81] [1.27; 1.76]
Fixed effect model		1.52	[1.30; 1.77]
0.	75 1 1.5		

Supplementary Figure 8: Forest plot of senesitivity for two-year OS.

Study	Risk Ratio	RR 95%-CI
Omitting Deng2019 Omitting Fu2019 Omitting Guo2019 Omitting Liu2016 Omitting LiuLJ2018 Omitting LiuY2016 Omitting Pan2015 Omitting Sun2020 Omitting Wang2016 Omitting Yang2018 Omitting Yu2015 Omitting Zhao2016	****	4.90 [2.59; 9.29] 4.91 [2.59; 9.30] 5.52 [2.79; 10.91] 4.72 [2.49; 8.96] 4.91 [2.59; 9.30] 4.92 [2.64; 9.45] 3.92 [2.05; 7.48] 4.69 [2.47; 8.92] 4.09 [2.14; 7.82] 4.91 [2.59; 9.30] - 6.28 [3.07; 12.85] 5.52 [2.79; 10.91]
Fixed effect model		4.91 [2.63; 9.17]
0.1	0.5 1 2 10)

Supplementary Figure 9: Forest plot of senesitivity pneumothorax.

Supplementary Figure 10: Forest plot of senesitivity for myelosuppression.

Study	Risk Ratio	RR 95%-CI
Omitting Deng2019 Omitting Feng2012 Omitting Fu2019 Omitting Guo2019 Omitting LiuLJ2018 Omitting LiuY2016		0.96 [0.77; 1.18] 0.93 [0.76; 1.14] 0.99 [0.81; 1.22] 0.94 [0.70; 1.27] 0.96 [0.79; 1.18] 0.94 [0.76; 1.16]
Omitting Sun2020 Omitting Zhang2018 Omitting Zhang2020 Omitting Zhao2016		0.95 [0.77; 1.16] 1.00 [0.82; 1.23] 1.00 [0.82; 1.23] 0.95 [0.78; 1.17]
Fixed effect model	0.8 1 1.25	0.96 [0.79; 1.18]

Supplementary Figure 11: Forest plot of senesitivity for gastrointestinal symptoms.

Study TE seTE Total Risk Ratio R 95%-CI Weight Feng2012 1.61 1.5279 30 30 500 [0.25; 99.89] 0.9% Fu2019 0.65 0.8175 25 24 1.92 [0.39; 9.53] 2.7% Guo2019 0.79 0.4944 43 43 220 [0.83; 500] 56% Liu/2016 1.39 10.878 30 -400 [0.47; 33.73] 1.6% Liu/2016 1.39 10.878 40 -200 [0.83; 17.30] 3.0% Liu/2016 0.69 0.4472 40 40 -200 [0.83; 17.30] 3.0% Ma2015 0.17 0.308 41 -40 -522 [1.66; 16.42] 4.5% Sun2018 1.47 0.5942 35 35 -4.33 [1.31; 1.389] 4.4% Yang2018 0.19 0.406 34 33 -1.21 [0.55; 2.69] 7.1% Yu2015		Experim	nental	Control				
Fu2019 0.65 0.8175 25 24 1.92 [0.39, 9.53] 2.7% Guo2019 0.79 0.4944 43 43 220 [0.83, 500] 56% Lu2016 1.39 1.0878 30 30 4.00 [0.47, 33.73] 1.6% Lu2016 1.39 1.0878 30 400 2.00 [0.83, 17.30] 3.0% LuV2016 0.69 0.4472 40 40 2.00 [0.83, 17.30] 3.0% LuV2015 0.17 0.3089 41 42 1.18 [0.65, 2.17] 9.3% Pan2015 1.65 0.5849 40 535 4.33 1.31 [0.5; 2.69] 7.9% Sun2020 0.38 0.3669 2.35 5 4.33 1.31 1.33, 1.33 1.34 1.33 1.35 2.66 7.1% 7.9% 7.9% Yang2018 0.19 0.406 34 33 1.21 [0.55, 2.69] 7.1% Y.2063 3.2%	Study				Risk Ratio	RR	95%-CI	Weight
Guo2019 0.79 0.4944 43 43 43 42 220 [0.83] 5.6% LiuZ016 1.39 1.0878 30 30 4.00 [0.47] 3.733 1.6% LiuZ016 1.39 1.0878 30 30 4.00 [0.47] 3.733 1.6% LiuZ016 1.36 0.769 4.44 40 2.00 [0.83] 5.80 5.6% LiuZ016 0.69 0.472 40 40 2.00 [0.83] 4.81 6.4% Ma2015 0.17 0.3089 41 42 1.18 [0.66] 1.42 4.5% Sun2018 1.47 0.5942 35 4.33 [1.35] 1.389 4.4% Sun2018 0.49 0.466 43 3 1.21 [0.55] 2.69 7.1% Yu2015 1.61 0.7232 2.6 2.6 5.00 [1.21] 0.56 2.29 1.3% Zhang2018	Feng2012	1.61 1.5279	30	30		- 5.00	[0.25; 99.89]	0.9%
Liu2016 1.39 1.0878 30 30 4.00 [0.47; 33.73] 1.6% LiuL2018 1.36 0.7595 42 41 3.90 [0.83; 4.81] 6.4% LiuY2016 0.69 0.4472 40 40 2.00 [0.83; 4.81] 6.4% Ma2015 0.17 0.308 41 42 1.18 [0.65; 2.17] 9.3% Pan2015 1.65 0.5849 46 40 5.22 [1.66; 1.642] 4.5% Sun2018 1.47 0.5942 35 35 4.33 [1.65; 1.839] 4.4% Sun2020 0.38 0.3669 32 35 1.46 [0.71; 2.99] 7.9% Yang2018 0.19 0.4066 34 33 1.21 [0.55; 2.69] 7.1% Yu2015 1.61 0.7232 26 26 5.00 [1.21; 2.93] 1.3% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhang2018 -0.61 0.7595 42 41 0.54 [0.42] 4.5% Sun2016 1.10 0.7875 43 43 -0.00 [1.41] 0.55 [2.69] 7.1% Zhang2018 -0.63 1.0878 30 30 -0.53 [0.06; 4.47] 1.6% Filled: LiuL2016 -0.63 1.0878 30 30 -0.53 [0.06; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 35 0.49 [0.15; 1.57] 4.4% Filled: Yu2015 -0.66 0.7232 26 26 0.442 [0.10; 1.57] 4.4% Filled: Yu2015 -0.66 0.7232 26 26 0.442 [0.10; 1.57] 4.4% Filled: Yu2015 -0.66 0.7232 26 26 0.442 [0.10; 1.57] 4.4% Filled: Yu2015 -0.66 0.7232 26 26 0.442 [0.10; 1.57] 4.4% Filled: Yu2015 -0.66 0.7232 26 26 0.442 [0.10; 1.57] 4.4% Filled: Yu2015 -0.66 0.7232 26 26 0.442 [0.10; 1.77] 3.2%	Fu2019	0.65 0.8175	25	24		1.92	[0.39; 9.53]	2.7%
LiuLJ2018 1.36 0.7595 42 41 3.90 [0.88; 17.30] 3.0% LiuV2016 0.69 0.4472 40 40 2.00 [0.83; 17.30] 3.0% Ma2015 0.17 0.3089 14 42 1.18 [0.65; 2.17] 9.3% Pan2015 1.65 0.5849 46 40 522 [1.66; 16.42] 4.5% Sun2018 1.47 0.5942 35 35 4.33 1.31; 13.98 4.4% Sun2020 0.38 0.366 32 35 4.33 1.31; 13.98 4.4% Yang2018 0.19 0.406 34 33 1.21 [0.55; 2.69] 7.1% Yu2015 1.61 0.7232 26 26 5.00 [1.21; 2.063] 3.2% Zhang2018 0.36 0.2366 04 1.44 [0.90; 2.29] 11.3% Zhang2010 0.31 0.217 3 43 300 [0.64; 1.404] 2.8% <td< td=""><td>Guo2019</td><td>0.79 0.4944</td><td>43</td><td>43</td><td>-</td><td>2.20</td><td>[0.83; 5.80]</td><td>5.6%</td></td<>	Guo2019	0.79 0.4944	43	43	-	2.20	[0.83; 5.80]	5.6%
Liuv2016 0.69 0.4472 40 40 2.00 [0.83] 4.81 6.4% Ma2015 0.17 0.3089 41 42 1.18 [0.65] 1.18 [0.65] 4.33 [1.35] 1.18 [0.65] 4.33 [1.35] 1.38 4.4% Sun2018 1.47 0.5942 35 - 4.33 [1.35] 1.389 4.4% Sun2018 1.47 0.5942 35 - 4.33 [1.35] 1.389 4.4% Sun2018 0.49 0.466 43 3 - 1.21 [0.65] 2.291 7.9% Yang2018 0.36 0.2366 40 - 1.44 [0.02] 1.3% Zhang2010 0.31 0.218 44 43 3.00 [0.64] 1.37 Zhang2010 0.31 0.218 44 40 - 1.44 [0.92] 1.13% Zhang2010 0.31 0.218 44 44	Liu2016	1.39 1.0878	30	30		4.00	[0.47; 33.73]	1.6%
Liuv2016 0.690 0.4472 40 40 200 0.83 4.81 6.4% Ma2015 0.17 0.3089 41 42 1.18 10.65; 2.17 9.3% Pan2015 1.155 0.5844 46 40 5.22 11.68 16.5; 2.17 9.3% Sun2018 1.47 0.5942 35 35 4.33 1.31 13.189 4.4% Sun2020 0.38 0.3669 32 35 1.46 [0.71; 2.99] 7.9% Yang2018 0.19 0.4066 34 33 1.21 [0.55; 2.66] 7.1% Yu2015 1.61 0.7232 2.6 26 5.00 [1.21; 20.63] 3.2% Zhang2018 0.36 0.2366 40 1.34 [0.89; 2.10] 11.8% Zhang2010 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhang2016 -0.61 0.7595 42 41 -0.54 [0.12; 2.41	LiuLJ2018	1.36 0.7595	42	41		3.90	[0.88; 17.30]	3.0%
Pan2015 1.65 0.5849 46 40 5.22 [1.66; 16.42] 4.5% Sun2018 1.47 0.5942 35 35 4.33 [1.35; 1.389] 4.4% Sun2020 0.38 0.3669 32 35 4.33 [1.35; 2.69] 7.1% Yang2018 0.19 0.406 34 33 1.21 [0.55; 2.69] 7.1% Yu2015 1.61 0.7232 26 26 5.00 [1.21; 0.65; 2.69] 7.1% Zhang2020 0.31 0.2166 0.40 1.44 [0.90; 2.29] 11.3% Zhang2020 0.31 0.217 43 43 300 [0.64; 1.40] 2.8% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhang2016 -0.61 0.7595 42 41 0.54 [0.12; 2.41] 3.0% Filled: Liu2016 -0.63 1.0878 30 0 0.53 [0.06; 4.47] 1.6% <td>LiuY2016</td> <td>0.69 0.4472</td> <td>40</td> <td>40</td> <td></td> <td></td> <td></td> <td>6.4%</td>	LiuY2016	0.69 0.4472	40	40				6.4%
Sun2018 1.47 0.5942 35 4.33 11.35 13.89 4.4% Sun2020 0.38 0.3669 32 35 1.46 [0.71; 2.99] 7.9% Yang2018 0.19 0.406 34 33 1.21 [1.55; 2.69] 7.1% Yu2015 1.61 0.7232 26 26 5.00 [1.21; 2.0.63] 3.2% Zhang2018 0.36 0.2366 40 40 1.44 [0.90; 2.20] 11.8% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhang2016 1.10 0.7875 43 43 300 [0.64; 14.04] 2.8% Filled: LiuLJ2018 -0.61 0.7595 42 41 0.54 [0.12; 2.41] 3.0% Filled: Liu2016 -0.63 1.0878 30 0 0.53 [0.66; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 35 0.49 [0.15; 1.57]	Ma2015	0.17 0.3089	41	42	+	1.18	[0.65; 2.17]	9.3%
Sun2020 0.38 0.3669 32 35 1.46 [0.71; 2.99] 7.9% Yang2018 0.19 0.4066 34 33 1.21 [0.55; 2.69] 7.1% Yu2015 1.61 0.7232 26 5.00 [1.21; 20.63] 3.2% Zhang2018 0.36 0.366 40 40 1.44 [0.90; 2.29] 11.3% Zhang2018 0.36 0.2366 40 40 1.44 [0.90; 2.29] 11.3% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhao2016 1.10 0.7875 43 43 300 [0.64; 14.04] 2.8% Filled: LiuL2018 -0.61 0.7595 42 41 -0.54 [0.12; 2.41] 3.0% Filled: LiuL2016 -0.63 1.0878 30 30 -0.53 [0.06; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 5 0.49 [0.15; 1.57] 4.4%	Pan2015	1.65 0.5849	46	40		5.22	[1.66; 16.42]	4.5%
Yang2018 0.19 0.4066 34 33 1.21 [0.55; 2.69] 7.1% Yu2015 1.61 0.7232 26 26 5.00 [1.21; 0.55; 2.69] 7.1% Zhang2018 0.36 0.2366 0.40 1.44 [0.90; 2.29] 11.3% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhang2016 1.00 0.7875 43 43 3.00 [0.64; 1.404] 2.8% Filled: LiuL2016 -0.61 0.7595 42 41 -0.53 [0.66; 4.47] 1.6% Filled: LiuL2016 -0.63 1.0878 30 30 -0.53 [0.66; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 36 -0.49 [0.15; 1.57] 4.4% Filled: Feng2012 -0.86 15279 30 -0.42 [0.02; 8.48] 0.9% Filled: Yu2015 -0.66 0.7232 26 -0.42 [0.10; 1.76] 3.2% </td <td>Sun2018</td> <td>1.47 0.5942</td> <td>35</td> <td>35</td> <td>-</td> <td>4.33</td> <td>[1.35; 13.89]</td> <td>4.4%</td>	Sun2018	1.47 0.5942	35	35	-	4.33	[1.35; 13.89]	4.4%
Yu2015 1.61 0.7232 26 26 5.00 [1.21; 20.63] 3.2% Zhang2018 0.36 0.2366 40 40 1.44 [0.90; 2.29] 11.3% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhaog2016 1.10 0.7875 43 43 300 [0.64; 11.40] 2.8% Filled: LiuLJ2018 -0.61 0.7595 42 41 0.54 [0.12; 2.41] 3.0% Filled: Liu2016 -0.63 1.0878 30 0 -0.53 [0.06; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 35 0.49 [0.15; 1.57] 4.4% Filled: Feng2012 -0.86 1.5279 30 -0.42 [0.02; 8.48] 0.9% Filled: Yu2015 -0.66 0.7232 26 -0.42 [0.12; 7.3] 3.2%	Sun2020	0.38 0.3669	32	35	-	1.46	[0.71; 2.99]	7.9%
Zhang2018 0.36 0.2366 40 40 1.44 [0.90; 2.29] 11.3% Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.29] 11.3% Zhao2016 1.10 0.7875 43 43 300 [0.64; 14.04] 2.8% Filled: LiuL2018 -0.61 0.7595 42 41 0.54 [0.12; 2.41] 3.0% Filled: LiuL2016 -0.63 1.0878 30 30 0.53 [0.06; 4.47] 1.6% Filled: Liu2016 -0.63 1.0878 30 30 0.53 [0.06; 4.47] 1.6% Filled: Liu2016 -0.68 1.5279 30 0 0.42 [0.02; 8.48] 0.9% Filled: Feng2012 -0.86 10.5279 30 0.42 [0.02; 8.48] 0.9% Filled: Yu2015 -0.86 0.7232 26 0.42 [0.11, 75] 3.2%	Yang2018	0.19 0.4066	34	33	-	1.21	[0.55; 2.69]	7.1%
Zhang2020 0.31 0.2182 46 46 1.37 [0.89; 2.10] 11.8% Zhao2016 1.10 0.7875 43 43 3.00 [0.64; 14.04] 2.8% Filled: Liu2016 -0.61 0.7595 42 41 0.54 [0.12; 2.41] 3.0% Filled: Liu2016 -0.63 1.0878 30 0 0.53 [0.66; 4.47] 1.6% Filled: Liu2016 -0.63 1.0878 30 0 0.53 [0.66; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 35 0.49 [0.15; 1.57] 4.4% Filled: Feng2012 -0.86 1.5279 30 30 0.42 [0.02; 8.48] 0.9% Filled: Yu2015 -0.66 0.7232 26 6 0.42 [0.10; 1.75] 3.2%	Yu2015	1.61 0.7232	26	26	-	5.00	[1.21; 20.63]	3.2%
Zhao2016 1.10 0.787 43 43 300 [0.64; 14.04] 2.8% Filled: LiuLJ2018 -0.61 0.7595 42 41 -0.54 [0.12; 2.41] 3.0% Filled: LiuLJ2016 -0.63 1.0878 30 30 -0.53 [0.64; 44.74] 1.6% Filled: Liu2016 -0.63 1.0878 30 30 -0.53 [0.64; 44.74] 1.6% Filled: Sun2018 -0.71 0.5942 35 35 -0.49 [0.15; 1.57] 4.4% Filled: Feng2012 -0.86 1.279 30 -0.42 [0.02; 8.48] 0.9% Filled: Yu2015 -0.86 0.7232 26 -0.42 0.42 [0.1; 1.75] 3.2%	Zhang2018	0.36 0.2366	40	40		1.44	[0.90; 2.29]	11.3%
Filled: LiuLJ2018 -0.61 0.7595 42 41	Zhang2020	0.31 0.2182	46	46	+	1.37	[0.89; 2.10]	11.8%
Filled: Liu2016 -0.63 1.0878 30 30 -0.53 [0.06; 4.47] 1.6% Filled: Sun2018 -0.71 0.5942 35 35 -0.49 [0.15; 1.57] 4.4% Filled: Feng2012 -0.86 1.5279 30 -0.42 [0.02; 8.48] 0.9% Filled: Yu2015 -0.66 0.723 26 -0.42 [0.10; 1.75] 3.2%	Zhao2016	1.10 0.7875	43	43		3.00	[0.64; 14.04]	2.8%
Filled: Sun2018 -0.71 0.5942 35	Filled: LiuLJ2018	-0.61 0.7595	42	41	*	0.54	[0.12; 2.41]	3.0%
Filled: Feng2012 -0.86 1.5279 30 30 -0.86 0.9% Filled: Yu2015 -0.86 0.7232 26 26	Filled: Liu2016	-0.63 1.0878	30	30		0.53	[0.06; 4.47]	1.6%
Filled: Yu2015 -0.86 0.7232 26 26 - 0.42 [0.10; 1.75] 3.2%	Filled: Sun2018	-0.71 0.5942	35	35		0.49	[0.15; 1.57]	4.4%
	Filled: Feng2012	-0.86 1.5279	30	30		0.42	[0.02; 8.48]	0.9%
	Filled: Yu2015	-0.86 0.7232	26	26	-	0.42	[0.10; 1.75]	3.2%
Filled: Pan2015 -0.90 0.5849 46 40 - 0.41 [0.13; 1.28] 4.5%	Filled: Pan2015	-0.90 0.5849	46	40		0.41	[0.13; 1.28]	4.5%
Random effects model 762 750 0 1.50 [1.13; 2.00] 100.0%				750		1.50	[1.13; 2.00]	100.0%
Heterogeneity: $I^2 = 36\%$, $\tau^2 = 0.1329$, $p = 0.05$	Heterogeneity: I ² = 36%,	$\tau^2 = 0.1329, p = 0$	0.05					
0.1 0.51 2 10					0.1 0.51 2 10			

Supplementary Figure 12: Forest plot of studies evaluating adjusted RR of CR.

Study	Experim TE seTE			Risk Ratio	RR	95%-CI	Weight
Deng2019	-0.25 0.4598	47	47		0.78	[0.32; 1.92]	12.9%
Feng2012	-2.40 1.4547	30	30		0.09	[0.01; 1.57]	1.3%
Guo2019	-0.83 0.3986	43	43	-	0.44	[0.20; 0.96]	17.2%
Liu2016	-1.25 0.7591	30	30		0.29	[0.06; 1.26]	4.7%
LiuLJ2018	-0.61 0.3277	42	41	+	0.54	[0.29; 1.03]	25.4%
LiuY2016	-0.41 0.8851	40	40	-	0.67	[0.12; 3.78]	3.5%
Ma2015	-0.67 1.2049	41	42		0.51	[0.05; 5.43]	1.9%
Pan2015	-3.08 1.4349	46	40		0.05	[0.00; 0.76]	1.3%
Sun2020	-0.60 0.8308	32	35		0.55	[0.11; 2.79]	4.0%
Yang2018	-0.99 0.4661	34	33		0.37	[0.15; 0.93]	12.6%
Yu2015	-0.41 0.8697	26	26		0.67	[0.12; 3.67]	3.6%
Zhang2018	-1.61 1.0724	40	40		0.20	[0.02; 1.64]	2.4%
Zhang2020	-2.56 1.4529	46	46		0.08	[0.00; 1.33]	1.3%
Zhao2016	-0.92 0.8084	43	43		0.40	[0.08; 1.95]	4.2%
Filled: Feng2012	0.98 1.4547	30	30		2.66	[0.15; 46.06]	1.3%
Filled: Zhang2020	1.15 1.4529	46	46		3.15	[0.18; 54.24]	1.3%
Filled: Pan2015	1.66 1.4349	46	40		5.28	[0.32; 87.88]	1.3%
Random effects mode Heterogeneity: / ² = 0%, t ²		662	652	0.01 0.1 1 10 100	0.49	[0.36; 0.68]	100.0%

eight
3.6%
3.6%
3.1%
2.9%
3.0%
2.8%
5.4%
9.7%
4.5%
4.6%
5.0%
4.6%
3.5%
9.3%
0.1%
5.2%
5.2%
3.0%
2.9%
3.6%
4.5%
0.0%

Supplementary Figure 13: Forest plot of studies evaluating adjusted RR of PD.

Supplementary Figure 14: Forest plot of studies evaluating adjusted RR of ORR.

	Exp	erimer	tal Co	ontrol				
Study	TE	seTE	Total	Total	Risk Ratio	RR	95%-CI	Weigh
Deng2019	1.61 1	1.5355	47	47		5.00	[0.25; 101.40]	4.2%
Fu2019	1.57 1	1.5231	25	24		4.80	[0.24; 95.08]	4.29
Guo2019	0.69 0).8387	43	43		2.00	[0.39; 10.35]	10.9%
Liu2016	2.20 1	.4686	30	30		9.00	[0.51; 160.06]	4.5
LiuLJ2018	1.59 1	1.5337	42	41		4.88	[0.24; 98.66]	4.29
LiuY2016	1.10 1	.6178	40	40		3.00	[0.13; 71.48]	3.8
Pan2015	3.23 1	.4222	46	40		25.26	[1.56; 410.22]	4.8
Sun2020	2.29 1	.4708	32	35		9.83	[0.55; 175.61]	4.5
Wang2016	3.14 1	.4331	60	60		23.00	[1.39; 381.61]	4.7
Yang2018	1.58 1	1.5301	34	33		4.86	[0.24; 97.41]	4.2
Yu2015	0.00 0).7679	26	26	-	1.00	[0.22; 4.50]	12.2
Zhao2016	0.69 0	.8387	43	43		2.00	[0.39; 10.35]	10.9
Filled: LiuLJ2018	-0.29 1	1.5337	42	41	-	0.75	[0.04; 15.11]	4.2
Filled: Deng2019	-0.31 1	1.5355	47	47		0.73	[0.04; 14.81]	4.2
Filled: Liu2016	-0.90 1	.4686	30	30	*	0.41	[0.02; 7.21]	4.5
Filled: Sun2020	-0.99 1	.4708	32	35		0.37	[0.02; 6.63]	4.5
Filled: Wang2016	-1.84 1	.4331	60	60		0.16		4.7
Filled: Pan2015	-1.93 1	.4222	46	40		0.14	[0.01; 2.35]	4.8
Random effects mo			725	715		1.96	[1.02; 3.78]	100.0
Heterogeneity: /2 = 179	$\%, \tau^2 = 0.325$	8, p = 0	.25					
					0.01 0.1 1 10 100			

Supplementary Figure 15: Forest plot of studies evaluating adjusted RR of pneumothorax.

....☆....