CLAIMS

I/we claim:

1. A ~~method for the treatment of cachexia, comprising administering to a subject treated with 5-FU a therapeutically effective amount~~ use of ketamine for manufacturing a medicament for treating cachexia induced by a chemotherapy drug for treating a cancer in a human subject.

2. The ~~method~~ use of claim 1, wherein a human dose of the ketamine is 1-100 mg/60 kg per week.

3. The ~~method~~ use of claim 1, wherein the ketamine is administered parenterally.

4. The ~~method~~ use of claim 1, wherein the ~~treatment~~ ketamine improves the loss of weight due to cachexia in the subject.

5. The ~~method~~ use of claim 1, wherein the ~~treatment~~ ketamine increases survival rate of the subject.

6. The use of claim 1, wherein the chemotherapy drug is 5-Fluorouracil (5-FU).

~~6~~7. A pharmaceutical ~~composition~~ combination for ~~the treatment of~~ treating a cancer, including: 5-FU, ketamine, and a pharmaceutically acceptable carrier; wherein a human dose of the ketamine is 1-100 mg/60 kg per week.

~~7. A method for the treatment of cancer, comprising administering to a subject in need a therapeutically effective amount of a pharmaceutical composition comprising 5-FU and ketamine.~~

~~8. The method of claim 7, wherein a human dose of the ketamine is 1-100 mg/60 kg per week.~~

~~9. The method of claim 7, wherein the pharmaceutical composition is administered parenterally.~~

~~10~~ 8.The ~~method~~ pharmaceutical combination of claim 7, wherein the ketamine and the 5-FU are administered concurrently or separately.