

## Al Clerk International Co., LTD. 昊慧

20 + Years NLP Experience and Find Medical Partners



Natural Language Processing



Semantic Understanding



Text Mining



Big Data



Machine Learning



Deep Learnning



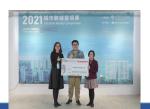
Could Computing



Computer Vision



















### Solution: Al Clerk Platform

# Tool for Automatically Converting Unstructured Medical Record into Semantic Structured Data

評估指標	指標說明	指標數值
Accuracy	被模組正確標記的字數/所有字數	93 %
Precision	被模組正確標記語意類別的字數/被模組標記語意類別的字數	97 %
Recall	被模組正確標記語意類別的字數/應該被模組標記語意類別的字數	92 %
F1	2 x Precision x Recall/(Precision + Recall)	94 %

語意類別:檢驗項目 疾病名稱 體徵 器官

#### 請輸入測試內容

Cancer antigen 125 (CA 125) is a <u>glycoprotein</u> antigen normally expressed in tissues derived from <u>coelomic epithelia</u> (ovary, <u>fallopian</u> tube, peritoneum, pleura, pericardium, colon, kidney, stomach).

Serum CA 125 is elevated in approximately 80% of women with advanced epithelial ovarian cancer, but assay sensitivity is <u>suboptimal</u> in early disease stages. The average reported sensitivities are 50% for stage I and 90% for stage II or greater.

Elevated serum CA 125 levels have been reported in individuals with a variety of <u>nonovarian</u> malignancies including cervical, liver, pancreatic, lung, colon, stomach, <u>biliary</u> tract, uterine, <u>fallopian</u> tube, breast, and endometrial carcinomas.

Elevated serum CA 125 levels have been reported in individuals with a variety of benign conditions including: cirrhosis, hepatitis, endometriosis, first trimester pregnancy, ovarian cysts, and pelvic inflammatory disease. Elevated levels during the menstrual cycle also

### 預測結果

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- Support English, Chinese and Mixed CH-ENG
- No Need to Programming
- Reduce Labor Cost For Data Processing
- Build Your Customized
  Semantic Understanding Tools
- Provide AI Clerk Semantic Understanding Tools