

Detailed Description of Translation Function

Overview

- **Background**

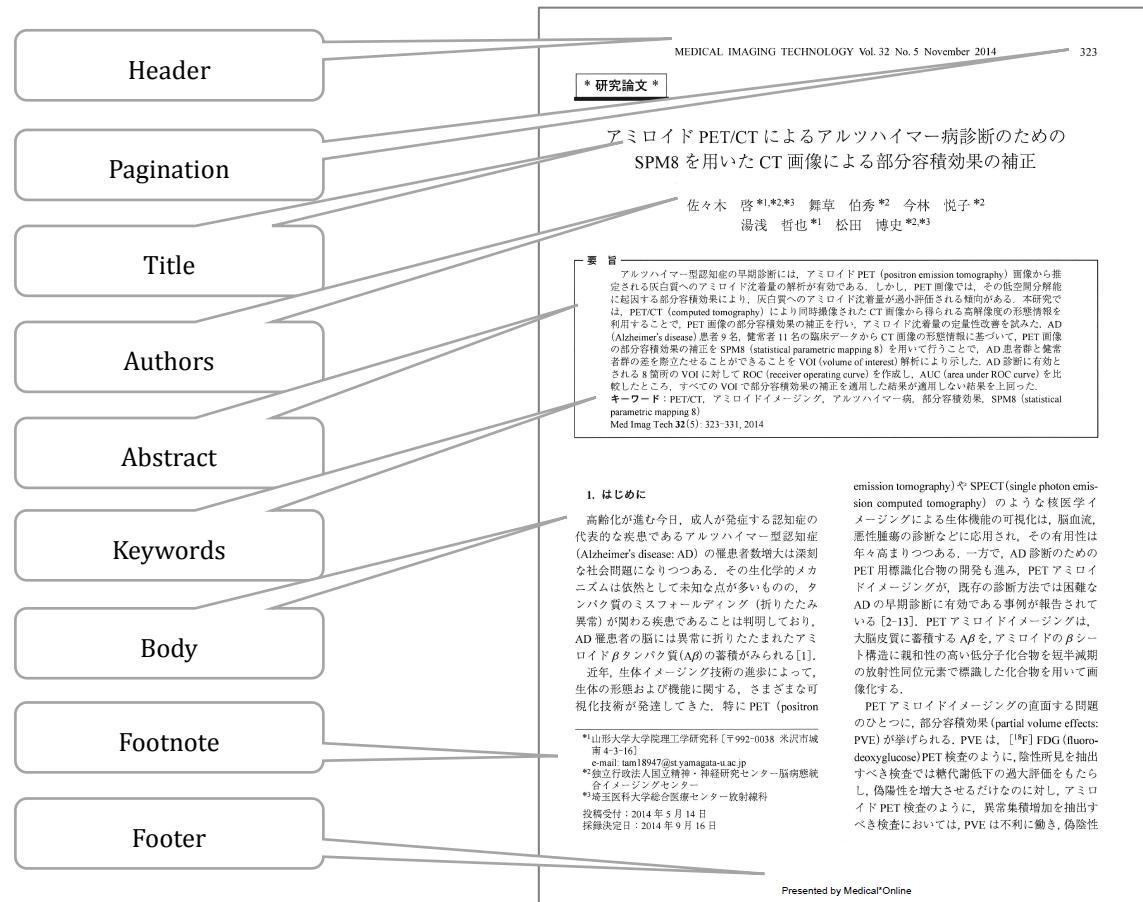
Dissemination of Japanese research has always suffered at the hands of the language barrier. In the field of medicine, improving the availability of Japan's medical articles has been a challenge for a long time to Meteo Inc., Japan's leading provider of medical database. In order to address this issue, in 2014, mechanical translation function was built into Medical*Online-E to enable medical professionals around the globe to discover unique resources untapped outside Japan.

- **Features**

- **On-board medical dictionary** customized according to professional needs to produce high-quality translation
- **Easy operation** to generate translation by simply copying the sentences and pasting them into the text box
- **Multiple translation** helps you read Japanese article in English, Chinese and Korean

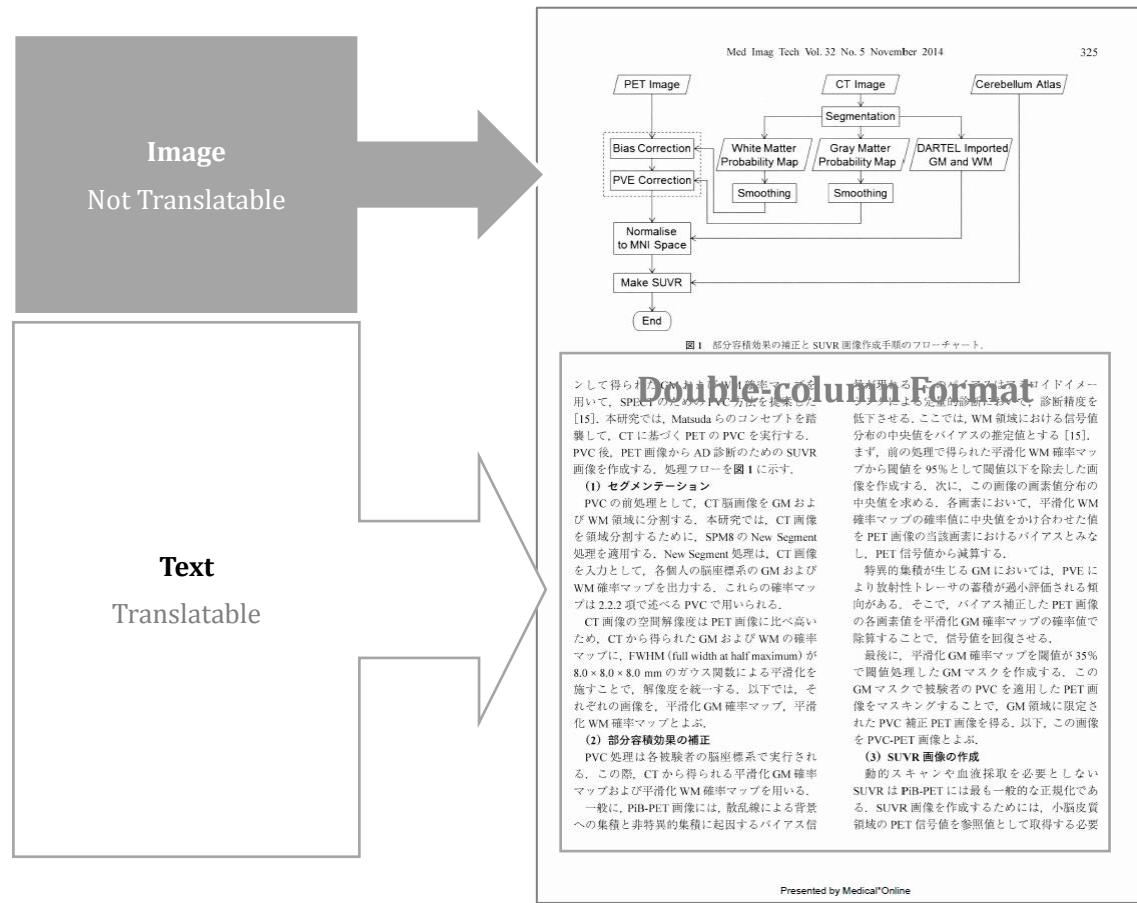
Understanding Article's Structure - 1

- Article consists of:



Understanding Article's Structure - 2

- Downloaded PDF consists of:



Understanding Article's Structure - 3

● Japanese Sentences

Unlike western languages, there is no inter-word space in Japanese sentences. On the other hand, every paragraph starts with “ ” (space) and every sentence ends with “.” (period) or “。” (maru). These unique characteristics make it difficult for non-Japanese people to distinguish translation unit.

The diagram illustrates the structure of a Japanese sentence from a medical article. It consists of a main text box and several callout boxes pointing to specific parts of the text.

Main Text:

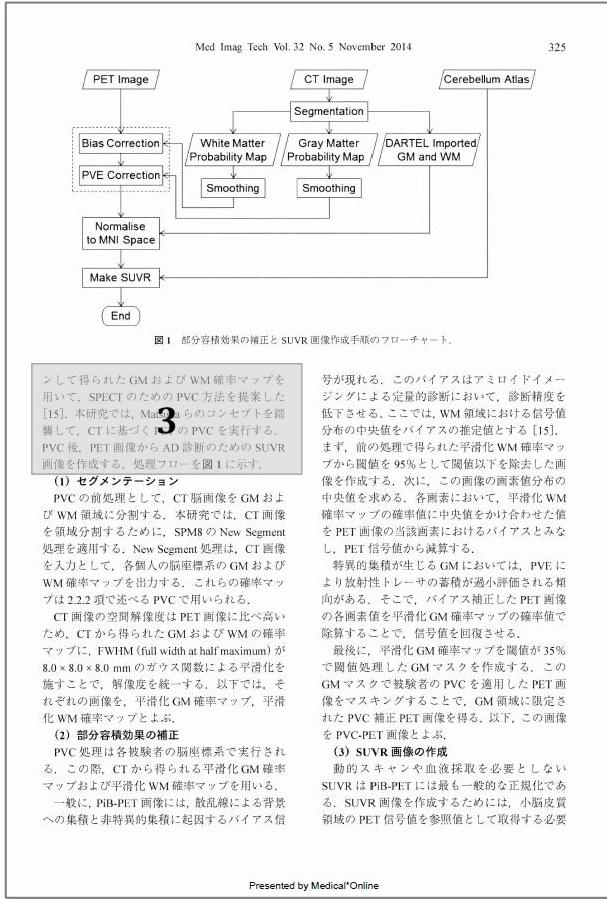
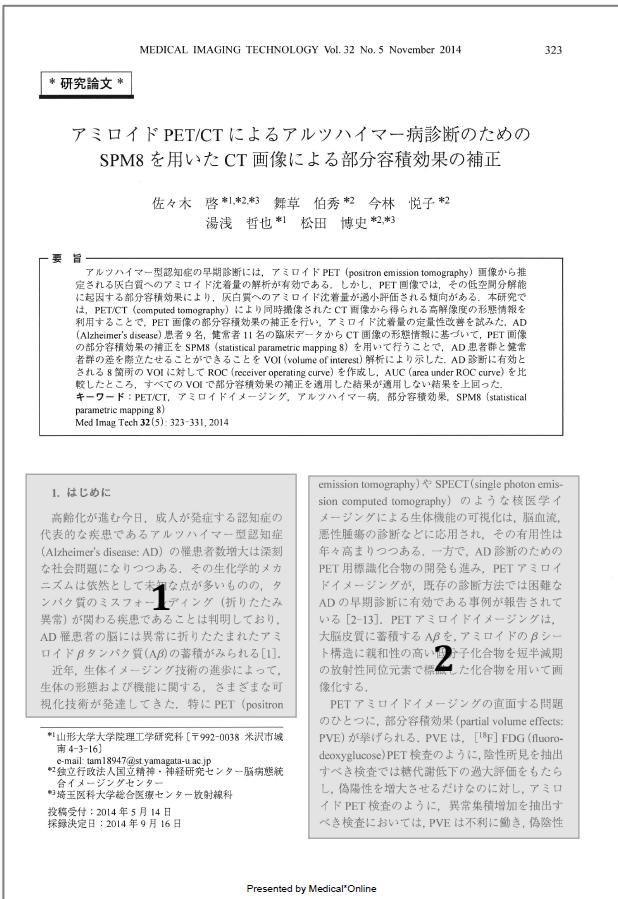
5. 結論
本研究では、PET/CT から得られる CT による PVC の実現可能性を検討した。提案した PVC により、AD 群と健常者群の差を際立たせることができることを、VOL 解析により示した。アミロイド PET では、FDG-PET のように集積低下領域を特定するのではなく、集積増加の検出を行うので、PVE による信号値低下は異常所見の検出には逆効果となる。すなわち、PVE は FDG-PET では偽陽性を増大させるだけなのに對し、アミロイド PET では偽陰性を増大させるという深刻な状況をもたらす。したがって、FDG-PET よりも PVC の必要性は高い。
PET/CT により、2種類の検査を受けなければならぬという非効率性が回避できることは本手法の大きな利点といえる。現在、PET/MRI の開発が精力的に行われているが、検査時間とい

Callout Boxes:

- Paragraph starts with space. (points to the first character space before the first sentence)
- Sentence ends with period. (points to the period at the end of the first sentence)
- Sentence ends with period. (points to the period at the end of the second sentence)
- Sentence ends with period. (points to the period at the end of the third sentence)
- Sentence ends with period. (points to the period at the end of the fourth sentence)
- Sentence ends with period.. (points to the period at the end of the fifth sentence)
- Paragraph starts with space. (points to the first character space before the final sentence)

Translation Step - 1

- Open PDF and select targeted portion(s)



Translation Step - 2

- Copy portion(s) and paste them into text box in Translation tool

