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Subject: IDL PET/CT Viewer and Analysis package  
Posted by [kb at astro dot physi](#) on Mon, 01 Nov 2004 19:27:05 GMT  
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Hello All,

A couple of people at my lab are looking at ways to read and analyse PET/CT images. Assuming that the image files are stored in the Dicom format, is there a existing package in IDL that allows for viewing and analysis of PET/CT images. The analysis I am talking about is the ability to draw ROI, measure SUV and make other qualitative measurements.

Thank you,  
Karthik.

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Subject: Re: IDL PET/CT Viewer and Analysis package  
Posted by [andrew.cool](#) on Thu, 04 Nov 2004 01:36:24 GMT  
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"kb at astro dot physics dot uiowa dot edu" <"kb at astro dot physics dot uiowa dot edu"> wrote in message news:<I6IM1A.9t7@sysadm.physics.uiowa.edu>...

> Hello All,  
> A couple of people at my lab are looking at ways to read and analyse  
> PET/CT images. Assuming that the image files are stored in the Dicom  
> format, is there a existing package in IDL that allows for viewing and  
> analysis of PET/CT images. The analysis I am talking about is the  
> ability to draw ROI, measure SUV and make other qualitative measurements.  
>  
> Thank you,  
> Karthik.

Hi Karthik,

You need Spamalise from [http://psyphz.psych.wisc.edu/~oakes/spam/spam\\_intro.htm](http://psyphz.psych.wisc.edu/~oakes/spam/spam_intro.htm)

Andrew

DSTO, Adelaide, South Oz

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Subject: Re: IDL PET/CT Viewer and Analysis package  
Posted by [p.sommer](#) on Sun, 07 Nov 2004 17:46:22 GMT  
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andrew.cool@dsto.defence.gov.au (Andrew Cool) wrote in message news:<c6d70400.0411031736.5a514627@posting.google.com>...

> "kb at astro dot physics dot uiowa dot edu" <"kb at astro dot physics dot uiowa dot edu"> wrote in message news:<l6lM1A.9t7@sysadm.physics.uiowa.edu>...

>> Hello All,

>> A couple of people at my lab are looking at ways to read and analyse  
>> PET/CT images. Assuming that the image files are stored in the Dicom  
>> format, is there a existing package in IDL that allows for viewing and  
>> analysis of PET/CT images. The analysis I am talking about is the  
>> ability to draw ROI, measure SUV and make other qualitative measurements.

>>

>> Thank you,

>> Karthik.

Karthik,

You may also find the following useful:

<http://www.rsinc.com/codebank/search.asp?FID=290>

Thanks,

-P

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Subject: Re: IDL PET/CT Viewer and Analysis package  
Posted by [andrew.cool](#) on Sun, 07 Nov 2004 21:39:05 GMT  
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"kb at astro dot physics dot uiowa dot edu" <"kb at astro dot physics dot uiowa dot edu"> wrote in message news:<l6s2x7.Dup@sysadm.physics.uiowa.edu>...

> Helmut,

> I cannot download the package (dead link). I also read on the page that  
> you want interested parties to e-mail you to get the password and the  
> download link. What is the email you would like me to address my request  
> to? The package looks interesting and once I get it I would like to go  
> though it. Will you be providing the source code (.pro files) as well.  
> Thanks a lot for your reply.  
> Karthik.

Hi Karthik,

You might also want to look at MRVIEW from  
<http://www.lanl.gov/p/p21/mrview.shtml> as well as  
Spamalise from [http://psyphz.psych.wisc.edu/~oakes/spam/spam\\_intro.htm](http://psyphz.psych.wisc.edu/~oakes/spam/spam_intro.htm)

Both programs are written purely in IDL.

As an IDL programmer who happens also to have a brain tumour, I've

used both of these programs on my own MRI data with great success.

Cheers,

Andrew

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Andrew D. Cool  
Electromagnetics & Propagation Group  
Intelligence, Surveillance and Reconnaissance Division  
Defence Science & Technology Organisation  
PO Box 1500, Edinburgh, Adelaide, South Australia 5111

andrew dot cool at dsto dot defence dot gov dot au

> Ahammer Helmut wrote:  
>> Dear Karthik  
>> If it is possible to open your images with the IDL `!FOPEN, FILE, /READ_DICOM`  
>> command, it would be possible to integrate this file opening option  
>> into IQM. IQM is an IDL based image processing tool.  
>> The features are described in the tutorial at:  
>> <http://www.uni-graz.at/people/ahammer/IQM/index.htm>  
>>  
>> Regards,  
>> Helmut  
>>  
>> "kb at astro dot physics dot uiowa dot edu" <"kb at astro dot physics dot uiowa dot edu">  
wrote in message news:<I6IM1A.9t7@sysadm.physics.uiowa.edu>...  
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