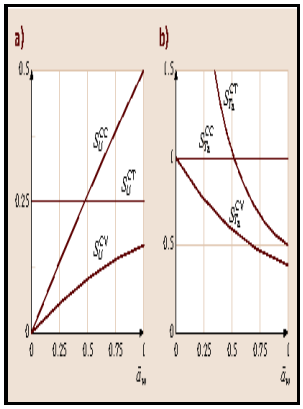
Photochromic tracer flow extraction via active contours

National Library of Canada - Extraction of protein profiles from primary neurons using active contour models and wavelets



Description: -
-Photochromic tracer flow extraction via active contours
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Canadian theses = -- Thèses canadiennesPhotochromic tracer flow extraction via active contours
Notes: Thesis (M.A.Sc.) -- University of Toronto, 1994.
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Tags: #Assessing #the #kidney #function #parameters #glomerular #filtration #rate #and #effective #renal #plasma #flow #with #dynamic #FDG

Extraction of time activity curves from gated FDG

The proposed approach for tracer flow extraction has potential for real-system application. The spline curve point locations at these t values are calculated using the current estimate of the control point positions, and the appropriate distances determined. Currently, it is performed via manual application of B-spline curve fitting.

Automatic detection and extraction algorithm of coronal loops based on match filter and oriented directivity

The distance between itself and this edge is taken as the movement distance, and is calculated for all sample points. With the recent introduction of PET-MR hybrid scanners, new cardiac applications are being explored. The TAC of the renal pelvis is indicated with thin gray lines.

Extraction of protein profiles from primary neurons using active contour models and wavelets

Registrations using early images with durations reaching 50% of the maximum count rate were used for the remainder of the results. Anatomical information is derived from segmentation of the carotids in the MR image.

Automatic detection and extraction algorithm of coronal loops based on match filter and oriented directivity

In cases of plaque inflammation, small hot spots need to be differentiated from uptake in other adjacent structures. First, reference values, values from FDG TACs, and basic subject data were tested for normal distribution with Kolmogorov-Smirnov test. LP developed the machine learning algorithm and performed the according evaluations.

ShieldSquare

The binding force is realized by a virtual spring wavy line and a virtual damper solid line in the figure, and is obtained by the following formula. Carotid centerlines modeled as cubic splines were extracted from these segmentations and used as the basis for carotid ROIs of varying diameter. Local re-registration was performed because the initial PET-to-MR registration is optimized for the whole brain.

Automatic detection and extraction algorithm of coronal loops based on match filter and oriented directivity

Here we use it to capture the shape of the carotids in order to transfer the segmentations to PET space. Performance evaluation of the ECAT HRRT: an LSO-LYSO double layer high resolution, high sensitivity scanner.

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