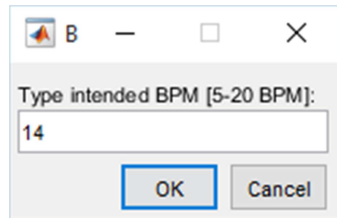


## Instructions for MovingSource simulation

1.- DICOM export the VMAT plan **WITHOUT set-up fields** (only treatment fields with defined MUs, i.e. a calculated plan)

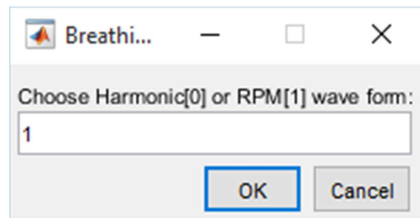
2.- Press button **MovingSrc** and select the running parameters:

- Intended **BeatsPerMinute** (BPM): the software will approximate the intended BPM at <5% without distorting MLC trajectories.



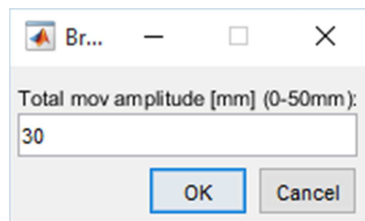
A small dialog box titled 'B' with a standard Windows window frame. It contains a text input field with the label 'Type intended BPM [5-20 BPM]:' and the value '14'. Below the input field are two buttons: 'OK' and 'Cancel'.

- Type of Breathing trace: Harmonic [0] or Realistic (RPM-like) [1].



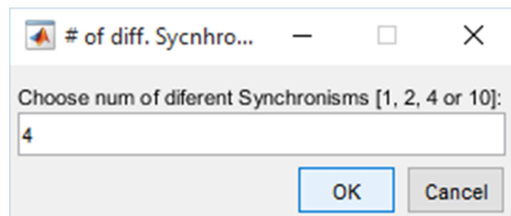
A small dialog box titled 'Breathi...' with a standard Windows window frame. It contains a text input field with the label 'Choose Harmonic[0] or RPM[1] wave form:' and the value '1'. Below the input field are two buttons: 'OK' and 'Cancel'.

- Total movement amplitude (peak to peak) in **millimeters [mm]**.



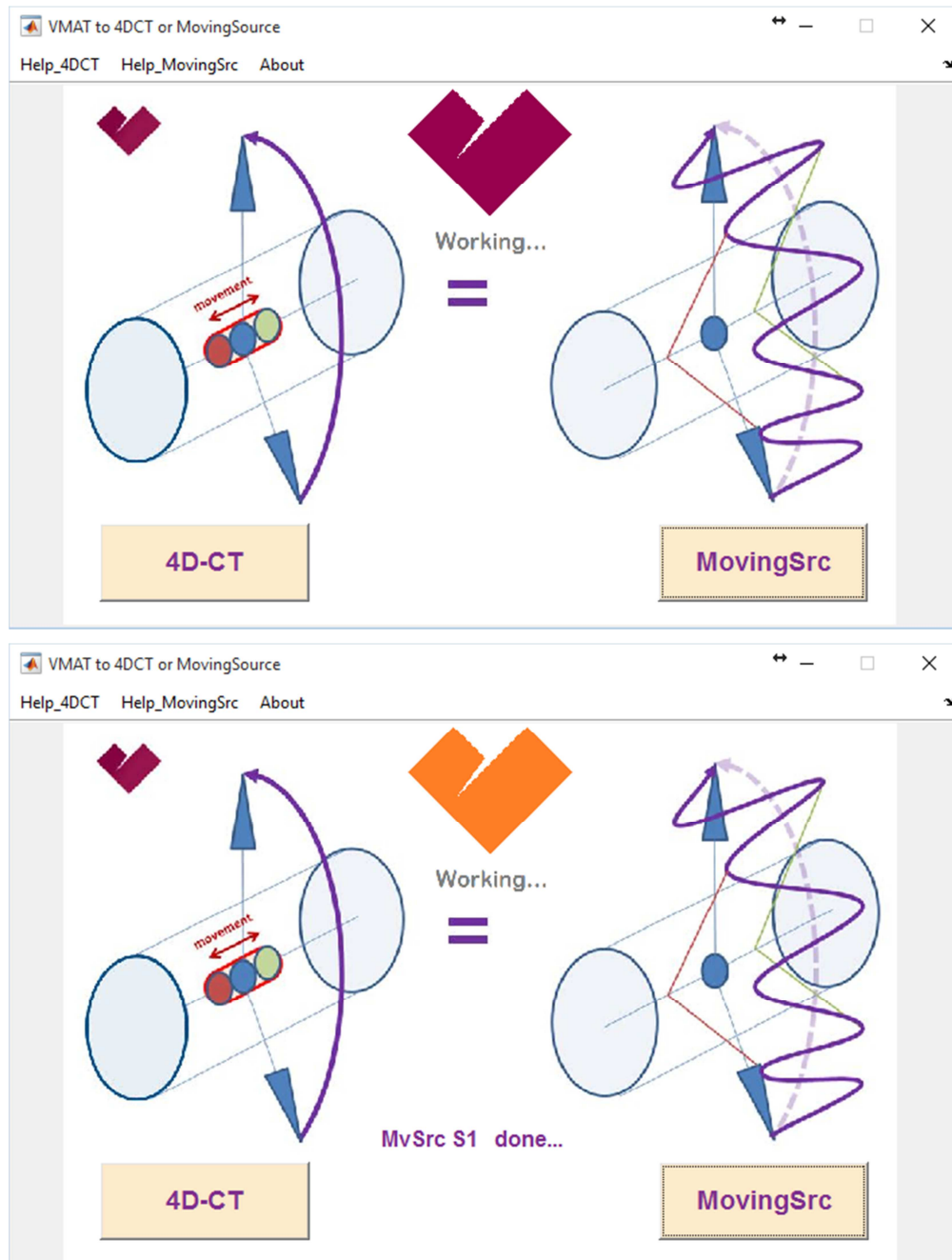
A small dialog box titled 'Br...' with a standard Windows window frame. It contains a text input field with the label 'Total mov amplitude [mm] (0-50mm):' and the value '30'. Below the input field are two buttons: 'OK' and 'Cancel'.

- Number of different synchronisms (different starting points evenly sampled on period), only choices are 1, 2, 4 or 10.

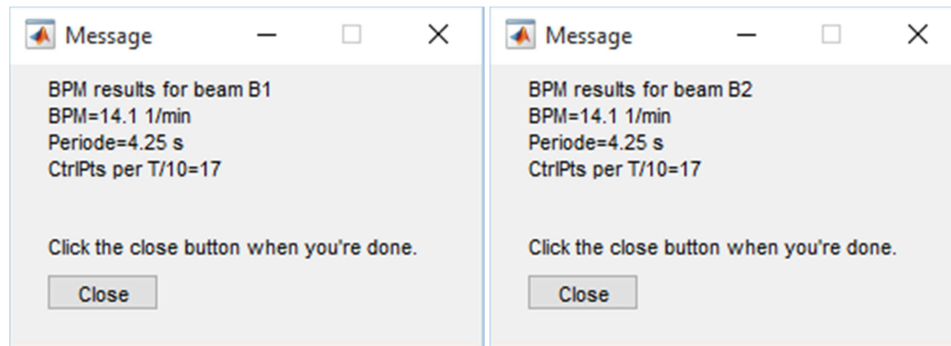


A small dialog box titled '# of diff. Synchrono...' with a standard Windows window frame. It contains a text input field with the label 'Choose num of diferent Synchronisms [1, 2, 4 or 10]:' and the value '4'. Below the input field are two buttons: 'OK' and 'Cancel'.

- After selecting the destination folder, the program start to build and save the different plans (1 for each synchronism). The DICOM saving takes about 5minutes time, so be patient. The Barwon Health logo will change color after each plan saving indicating process progress.



- After first plan saving, messages windows will pop-up with information about the realized BPM for each arc on the plane and stating the number of control points which were used for on each fraction of period.



- At the end the Barwon Health logo will be changed into a green check mark. Plans will be on the selected output folder.

