```
function procROI = avgROI(data,sec_start,sec_end,cropsize,threshold)
    sec_len = sec_end - sec_start + 1;
    sum = 0;
    data = data(200:350,200:350,:);
    for i = sec_start:sec_end
        sum = sum + cropROI(data(:,:,i),cropsize,threshold);
    end
    procROI = sum/sec_len;
end
```