

Imagem Médica: Pé Diabético

Computação Gráfica
Tecnologias e Aplicações

Universidade do Minho
Departamento de Informática
Mestrado Integrado em Engenharia Informática

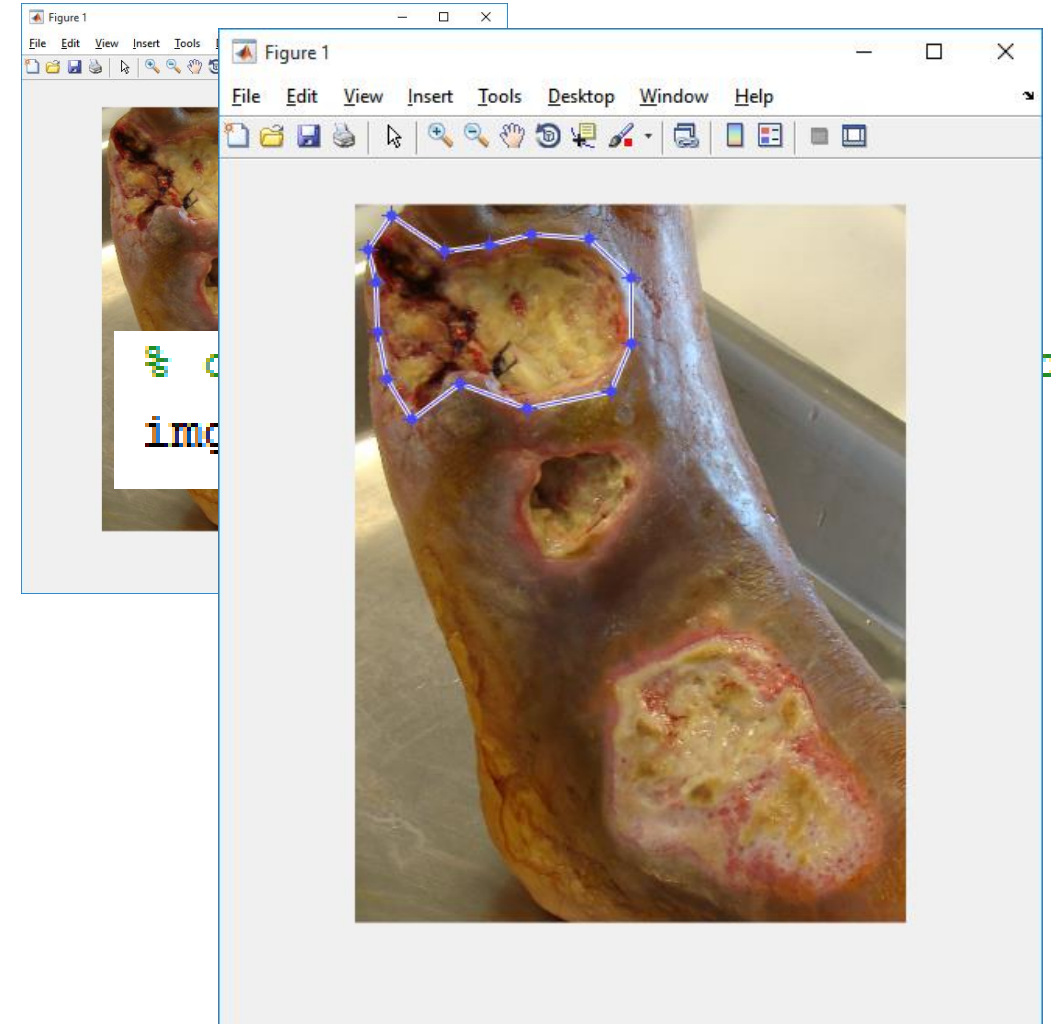
Bruno Barbosa (67646)

2015/2016

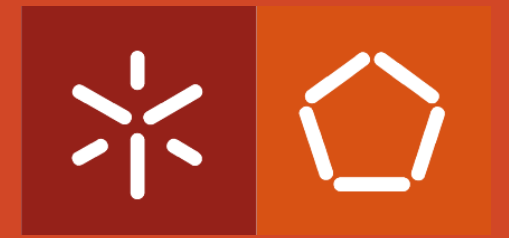
Abordagem ao Problema



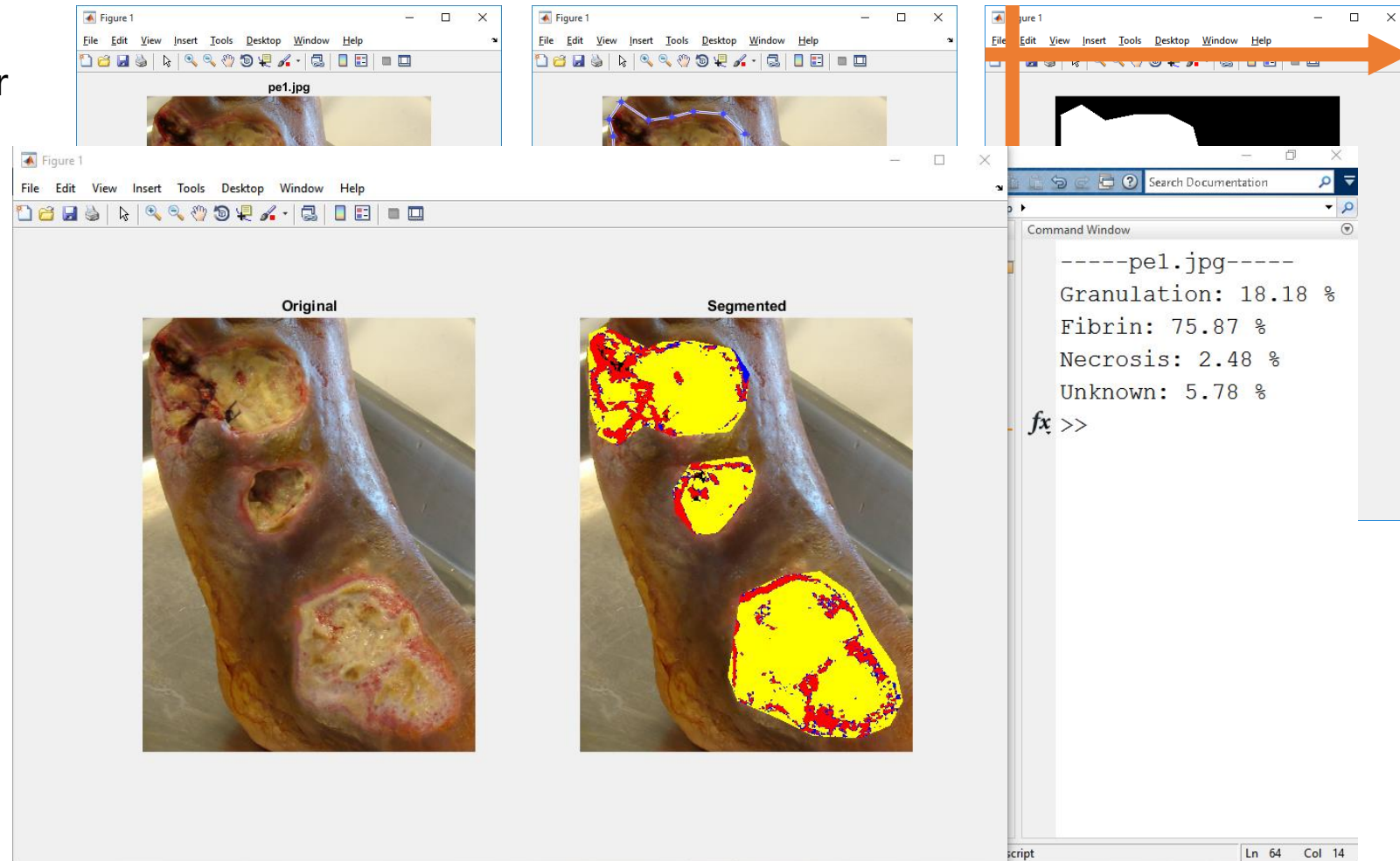
- Carregar a imagem
- Converter o valor dos pixéis para *double*
- Converter do formato RGB para HSV
- Indicar o número de regiões a selecionar
- Selecionar as regiões



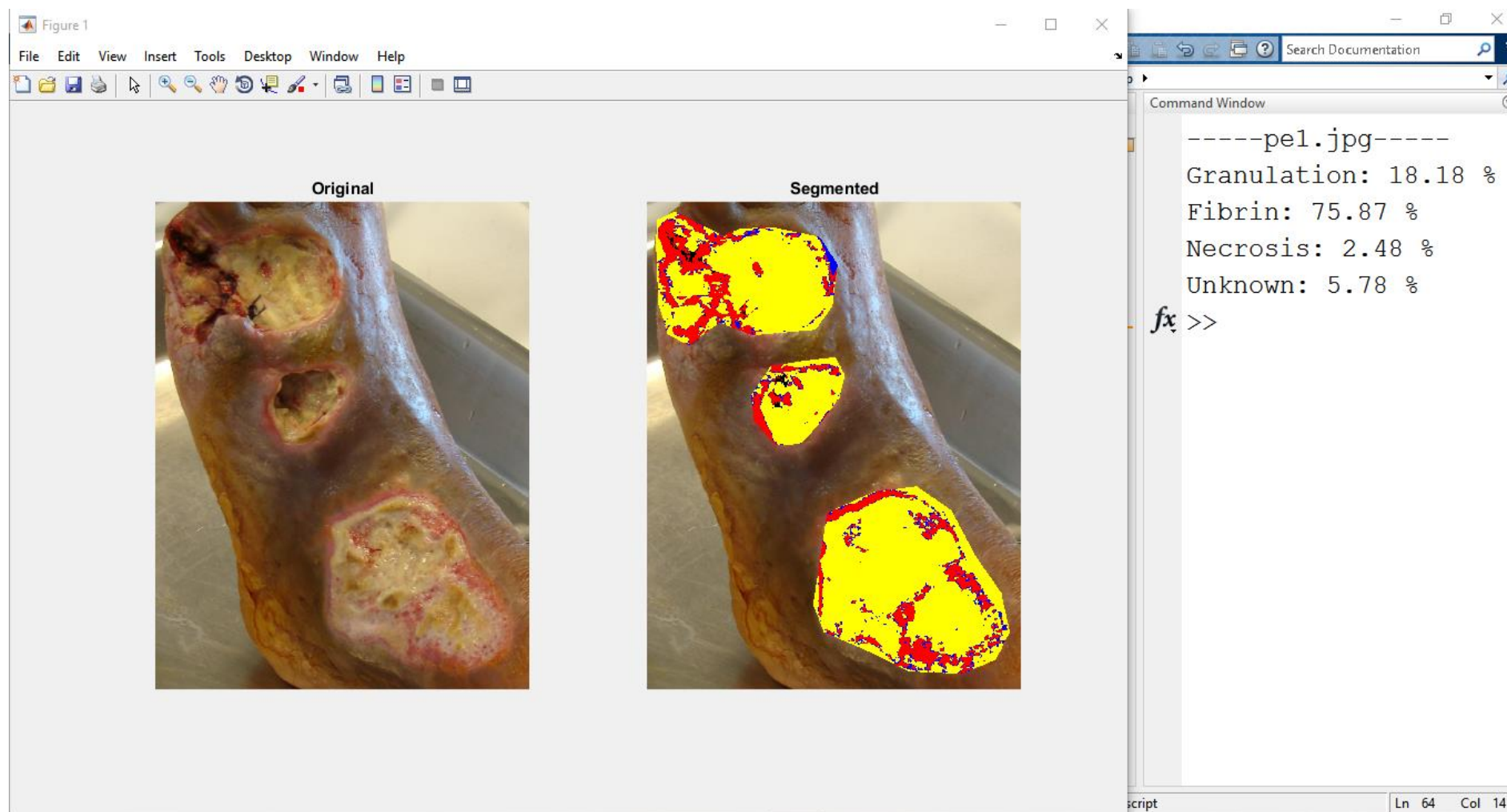
Abordagem ao Problema



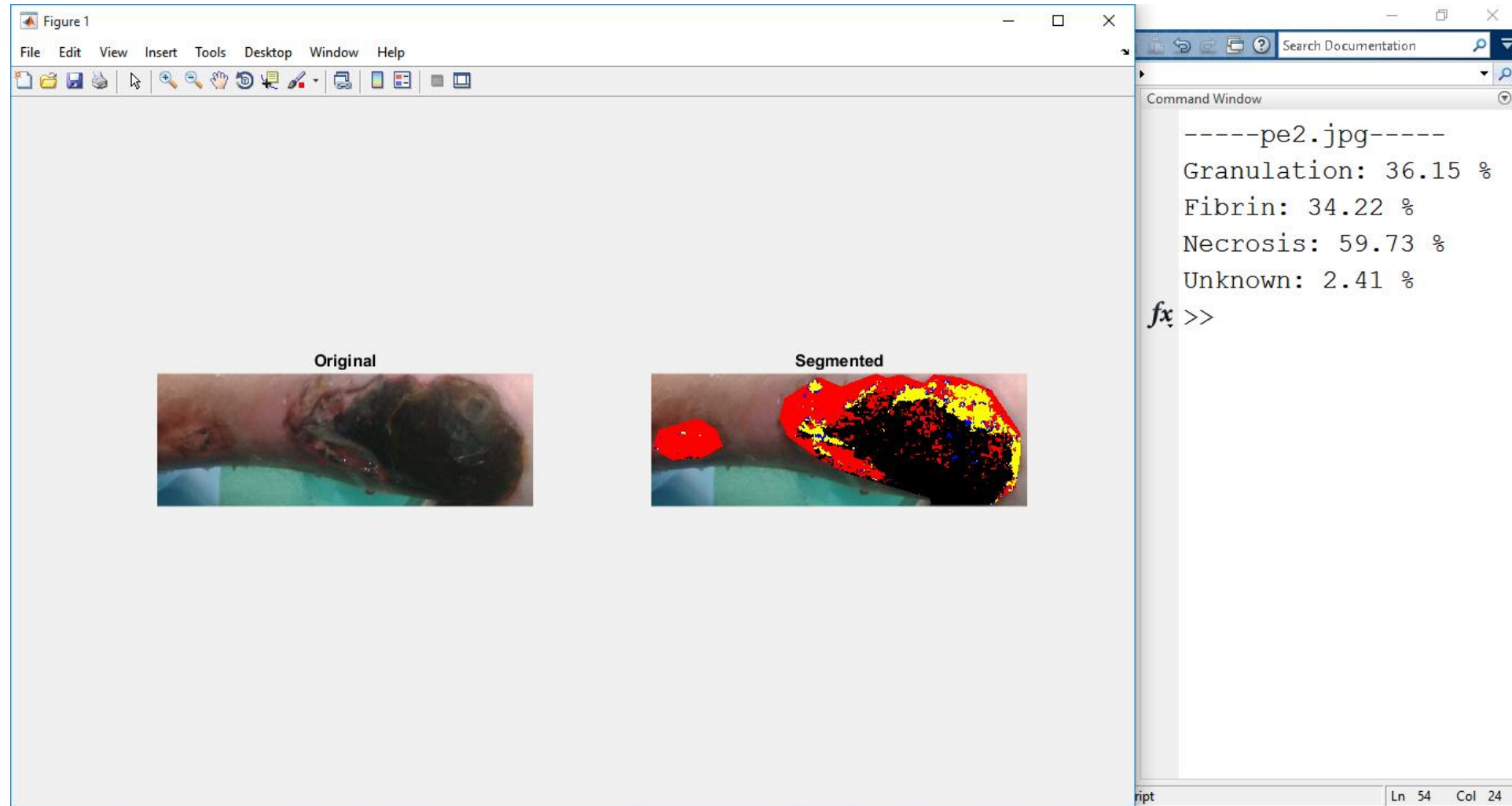
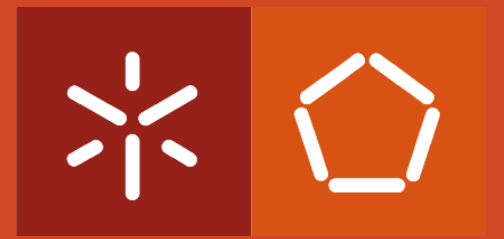
- Classificar as regiões consoante a cor
 - Preto – Necrose
 - Vermelho – Granulação
 - Amarelo – Fibrina
 - Azul - Desconhecido
- Mostrar os resultados
 - Imagem classificada
 - Percentagem de cada tipo de lesão



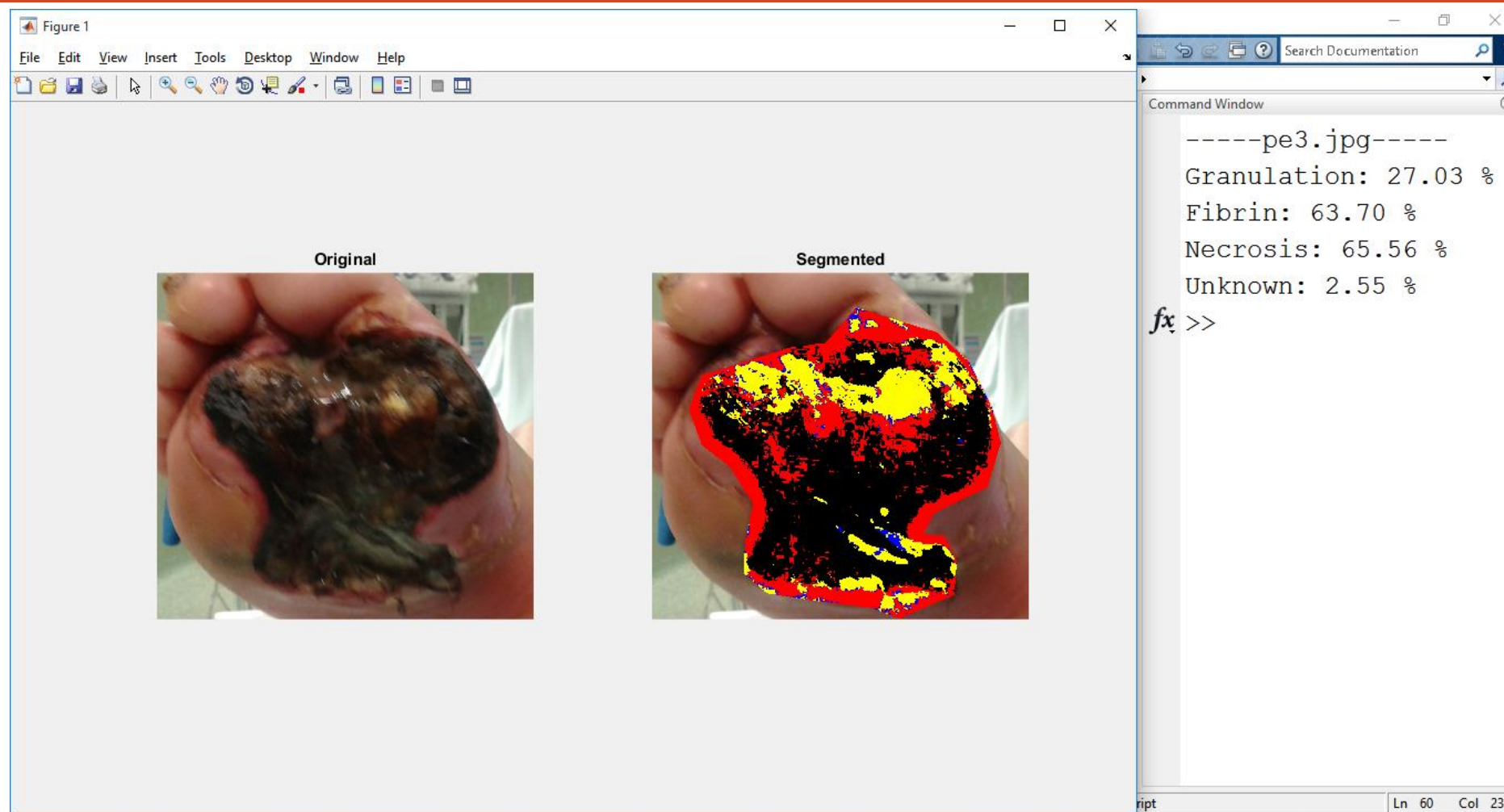
Pé 1



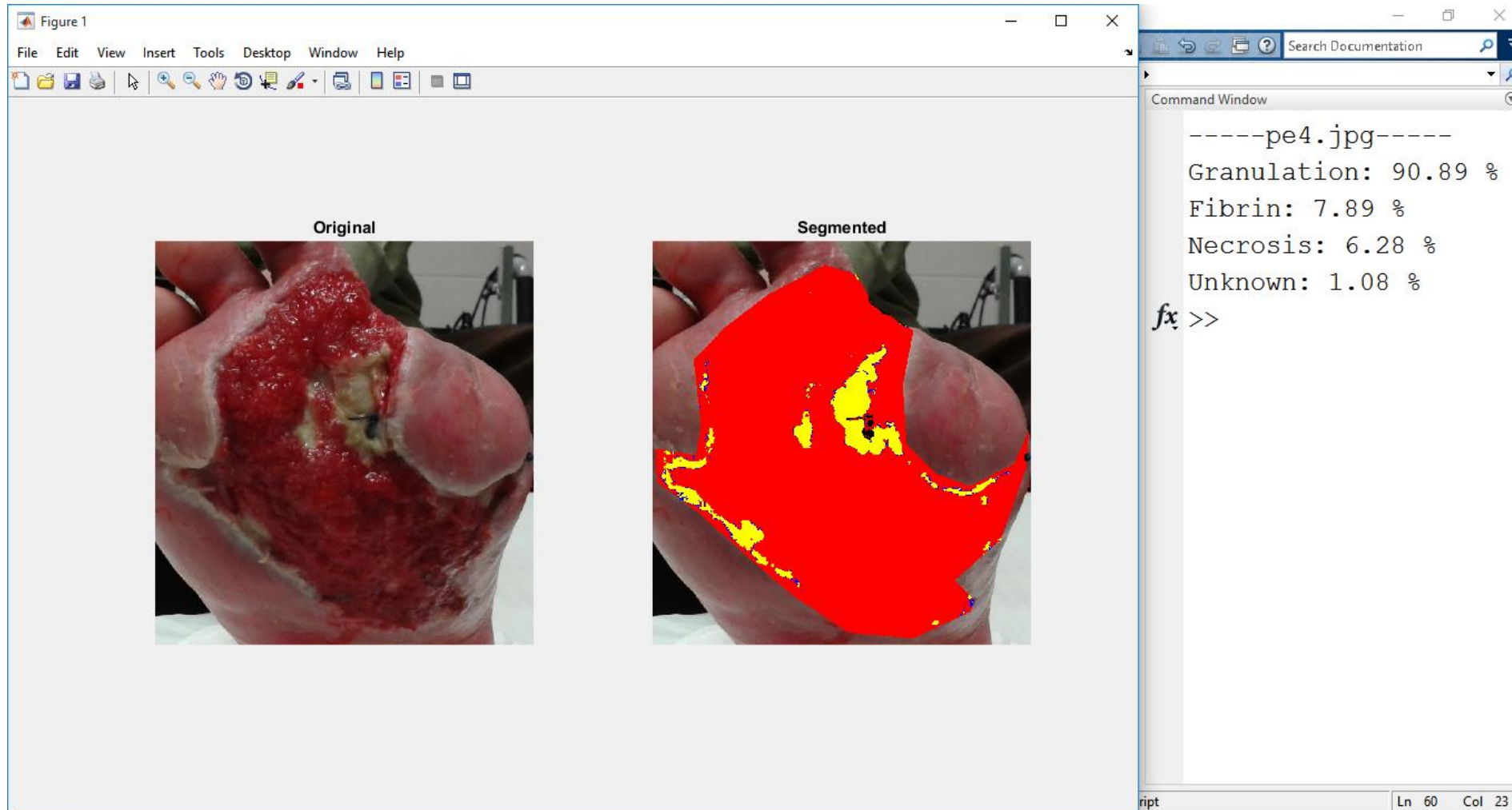
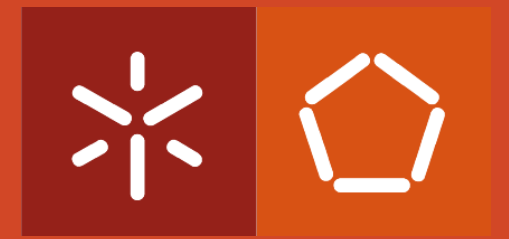
Pé 2



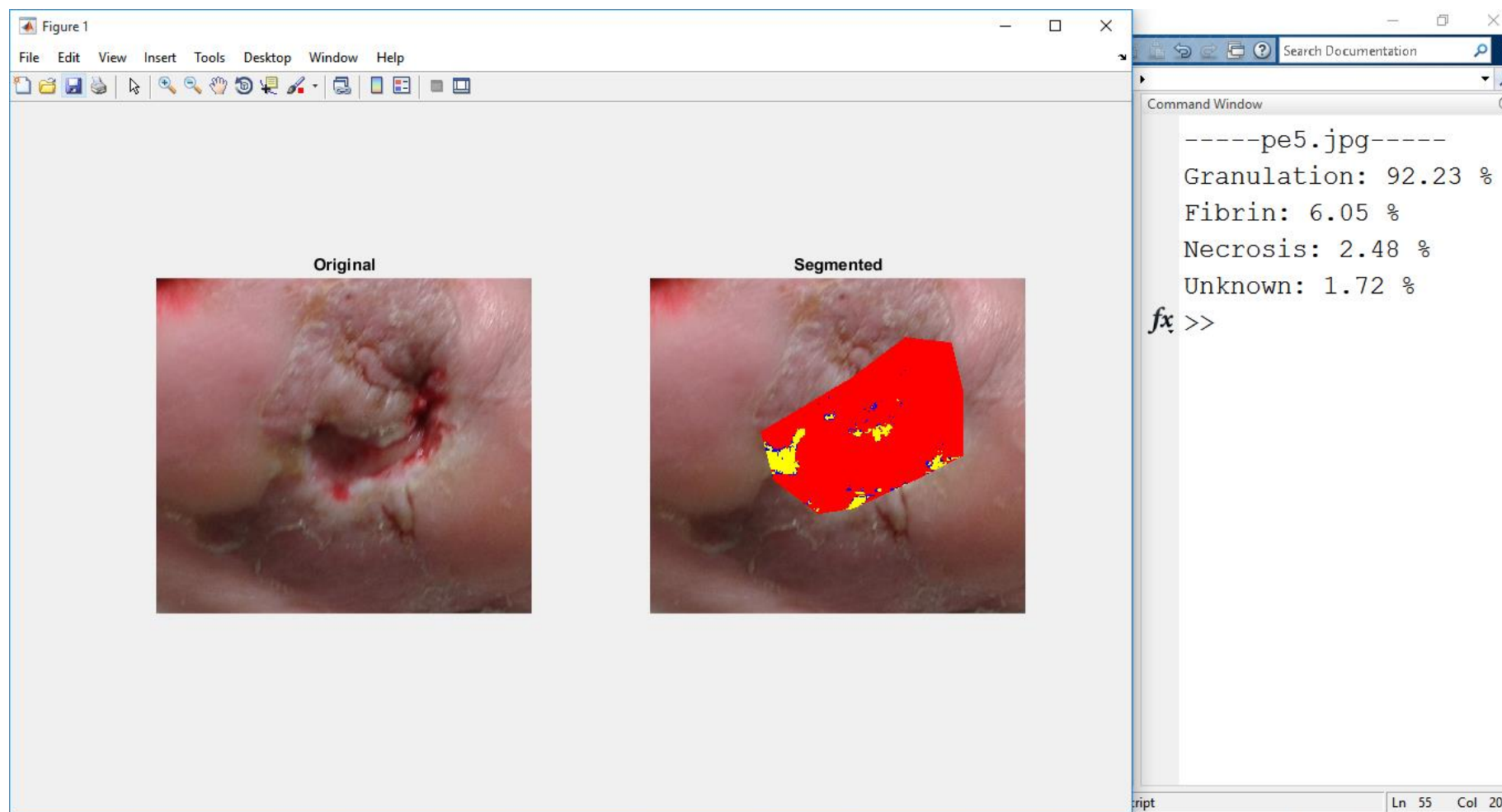
Pé 3



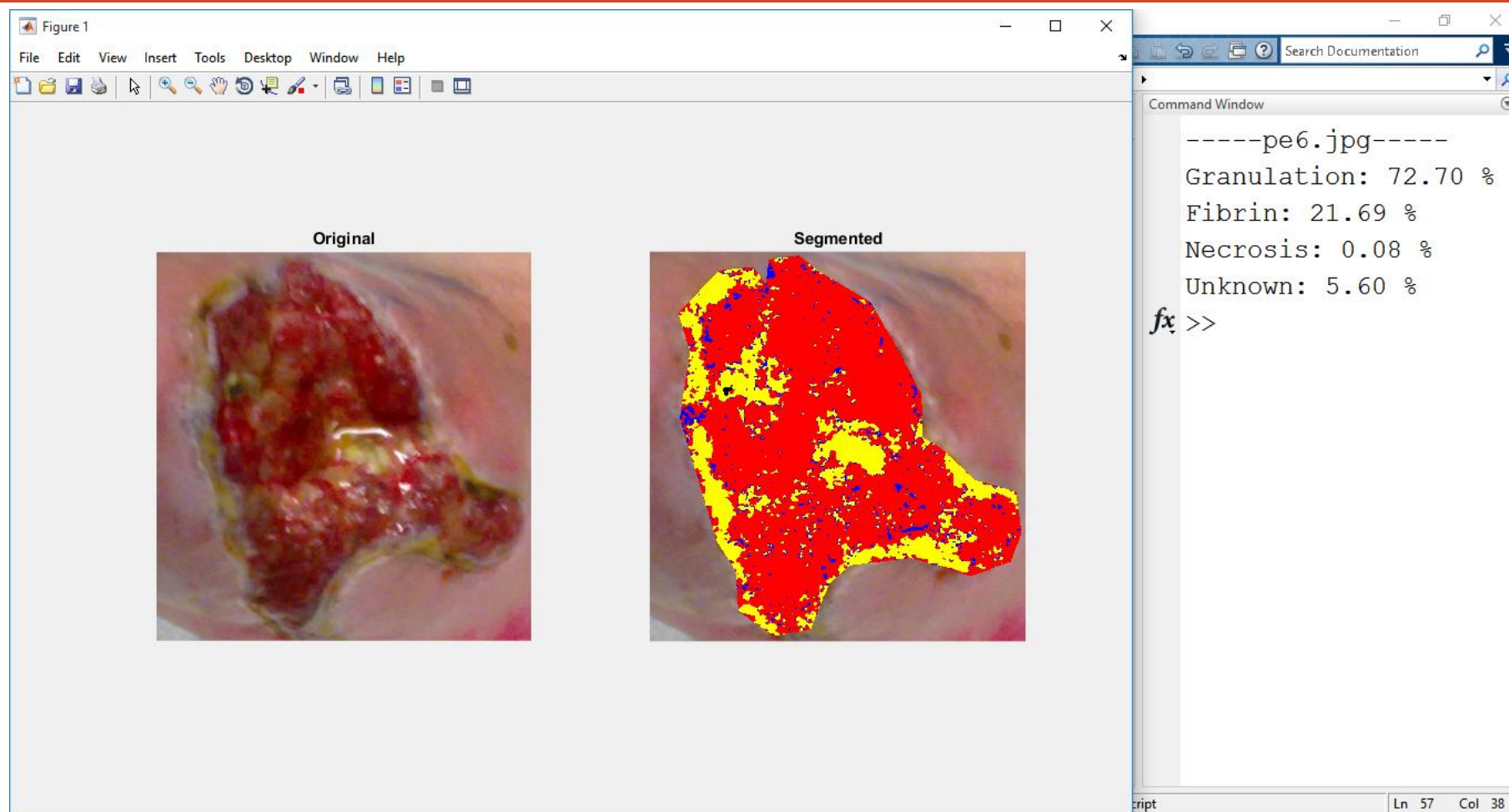
Pé 4



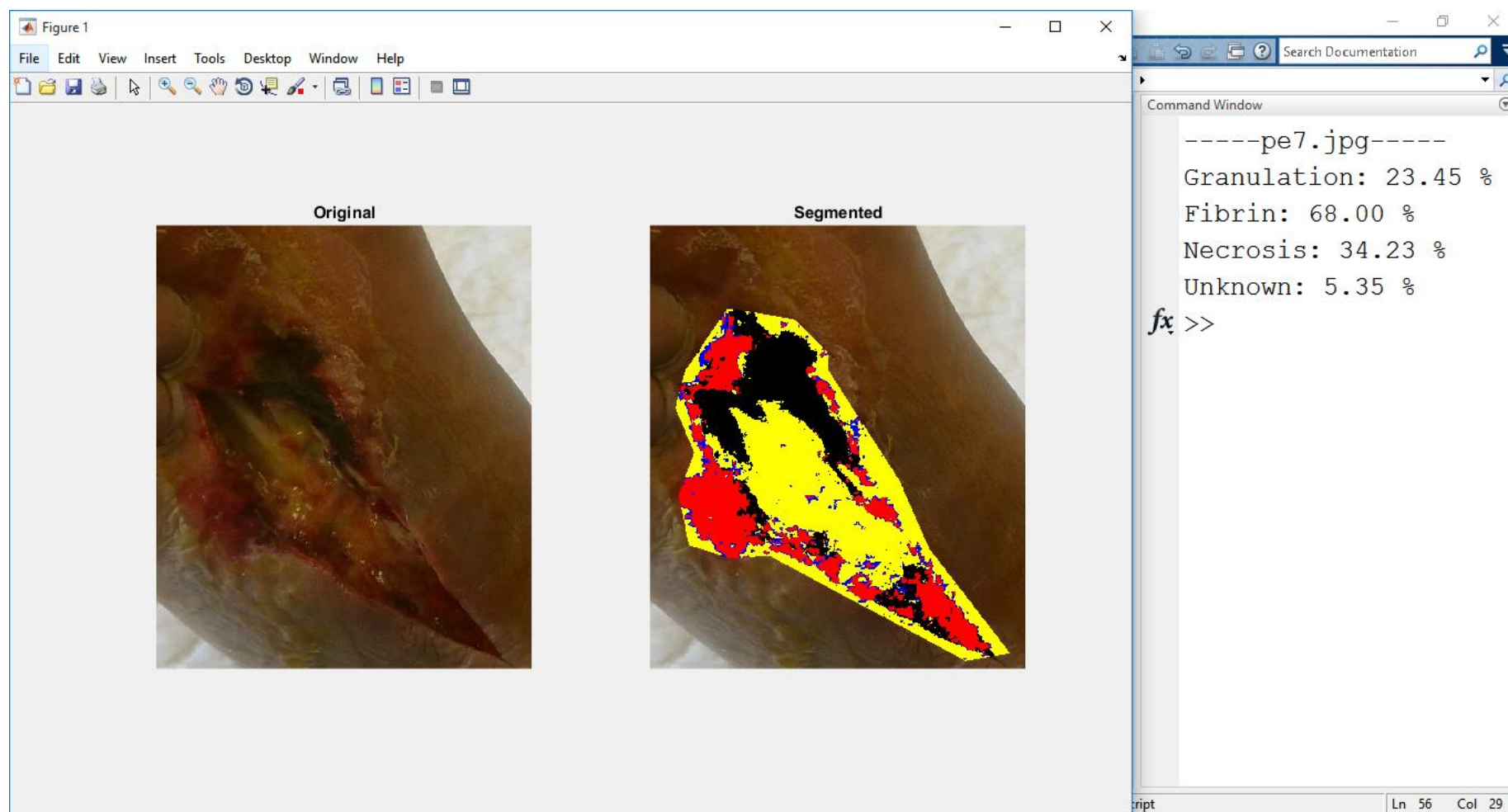
Pé 5



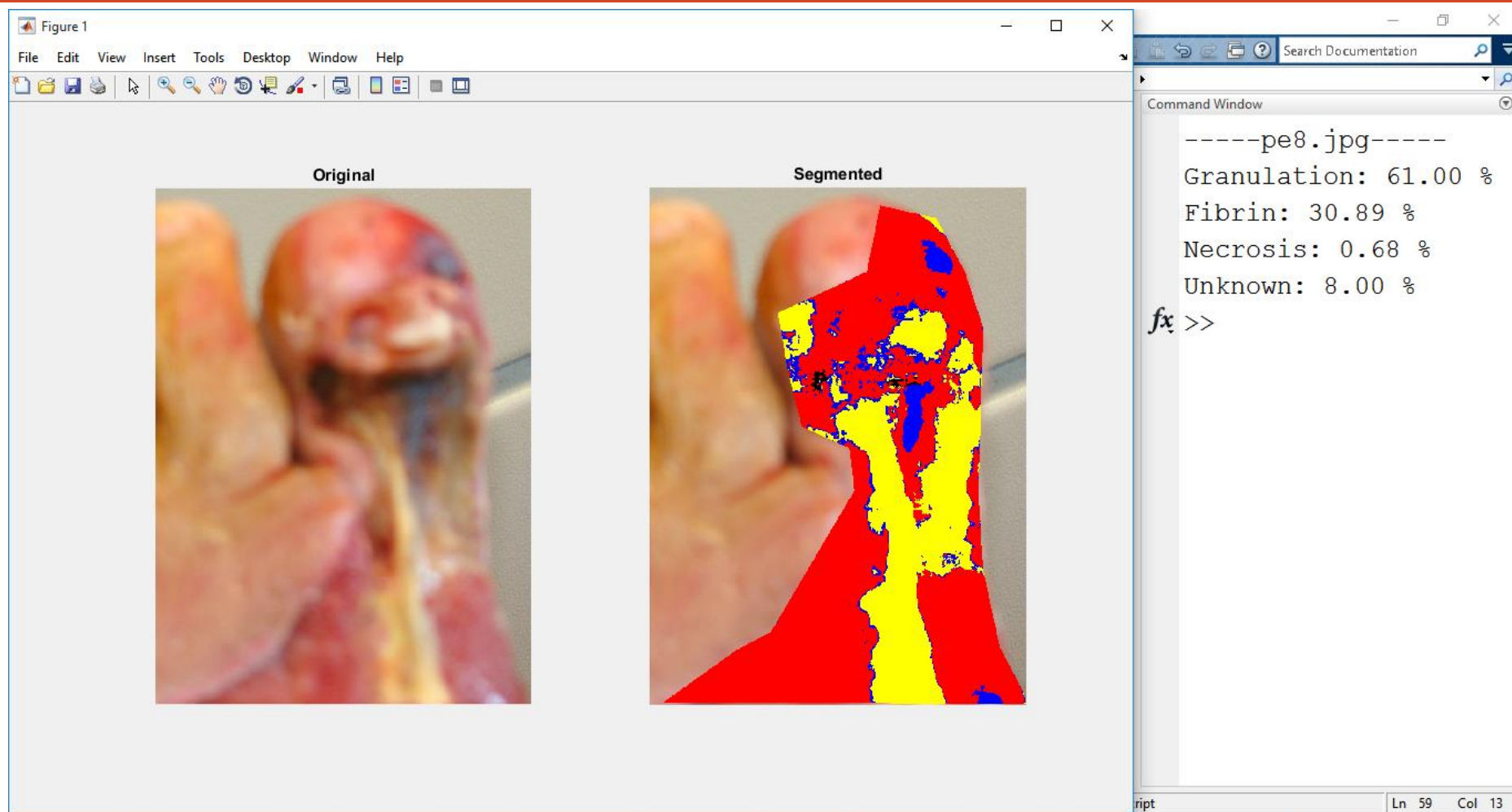
Pé 6



Pé 7



Pé 8



Pé 9

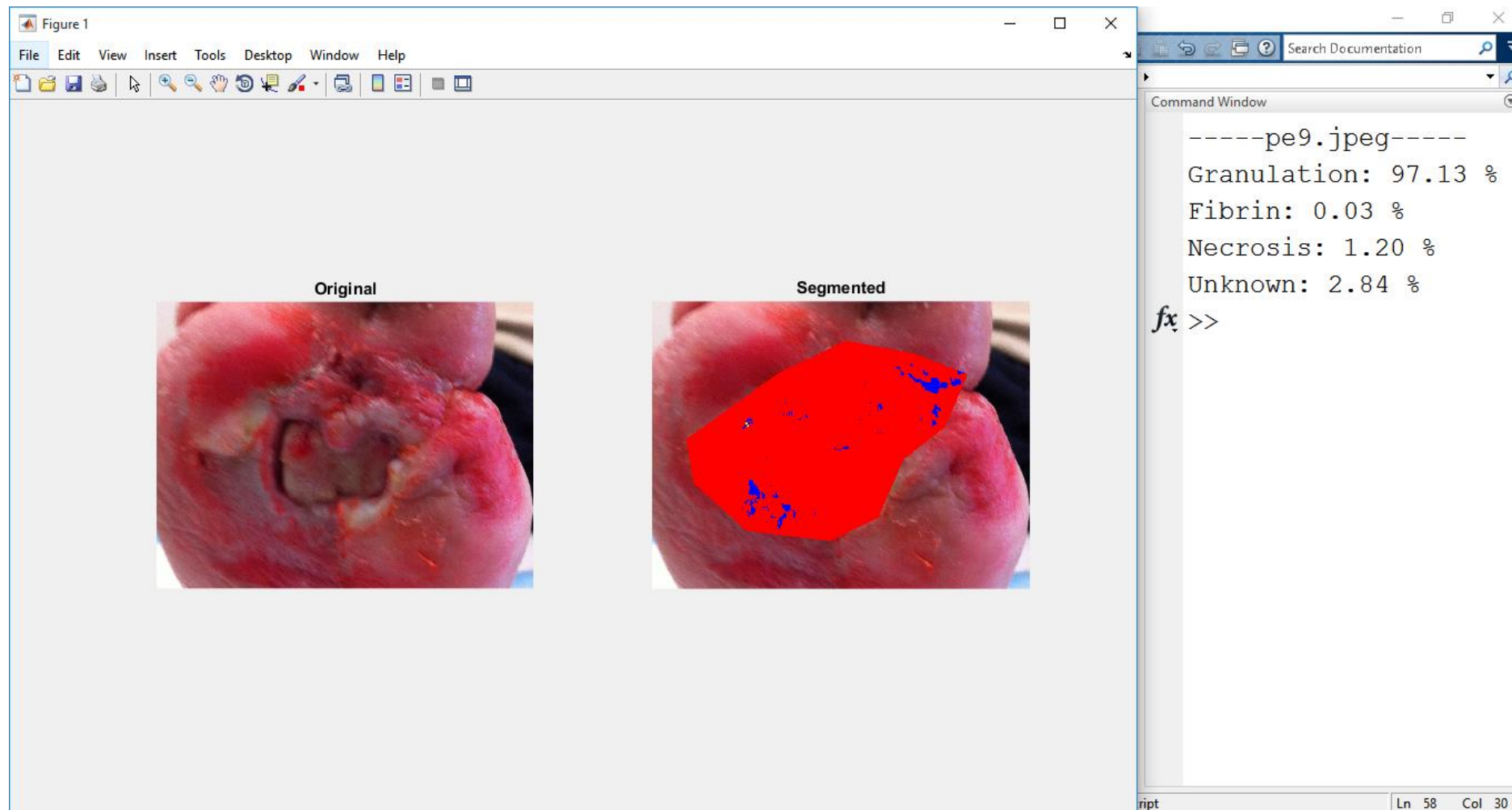


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