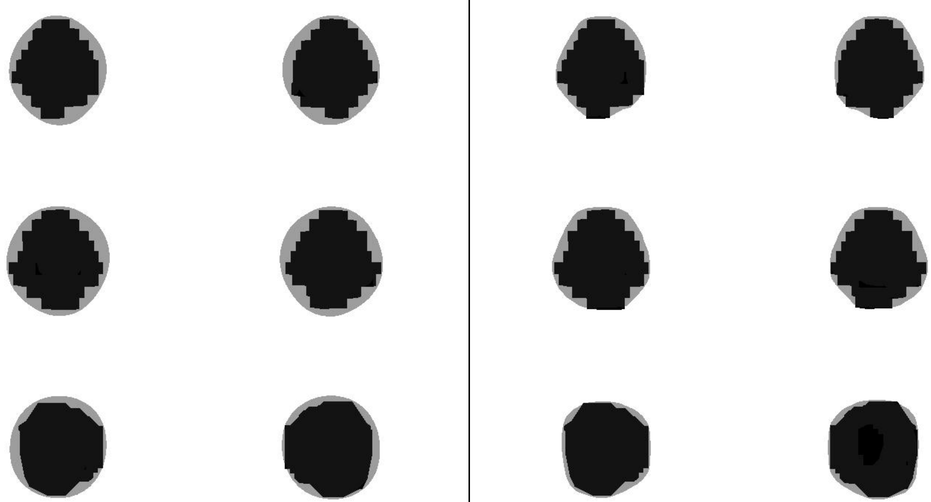
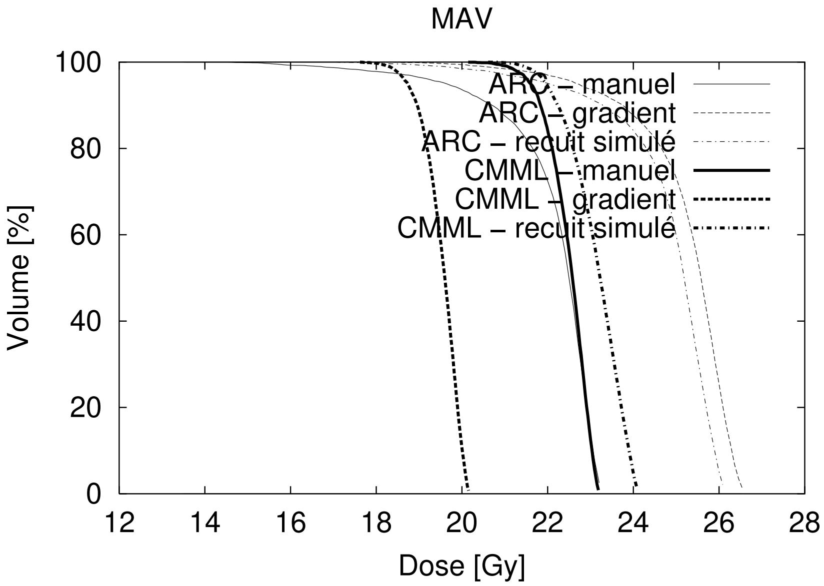
| | |
|---|---|
| NIP | C13 |
| Âge | 30 |
| Sexe | M |
| Localisation | centrale |
| Volume de la lésion | 5,38 [$cm^3$] |
| Nombre d'isoc. | 1 |
| 1 diamètre [cm] | 2,5 |
| 1 coordonnées [cm] | 1,3 ;-4,8 ;0,5 |

| | | **Probabilité de l'effet selon l'algorithme** | | | |
|---|---|---|---|---|---|
| **Technique** | **Effet** | **manuel** | **NNLS** | **gradient** | **recuit simulé** |
| Thérapie par arcs | oblitération | 0,69 | 0,79 | 0,78 | 0,78 |
| | complication | 0,096 | 0,146 | 0,126 | 0,139 |
| | **succès** | **0,62** | **0,67** | **0,69** | **0,67** |
| CMML | oblitération | 0,80 | 0,78 | 0,78 | 0,80 |
| | complication | 0,173 | 0,126 | 0,119 | 0,240 |
| | **succès** | **0,66** | **0,68** | **0,69** | **0,61** |

## Isodose tridimensionnelle par la méthode du gradient

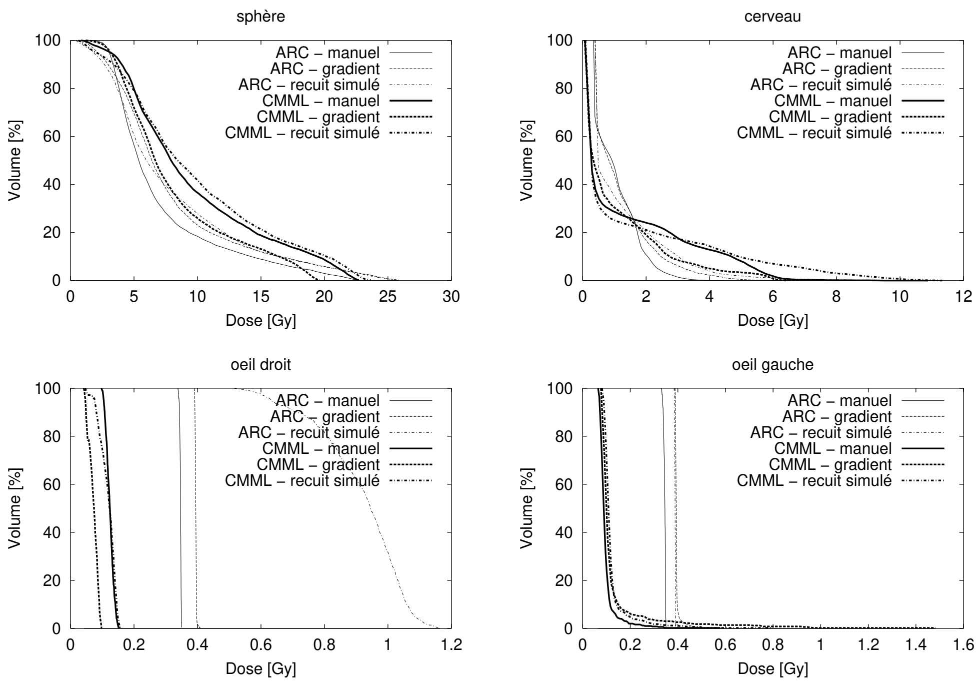
Thérapie par arcs — Collimateur micro-multilames

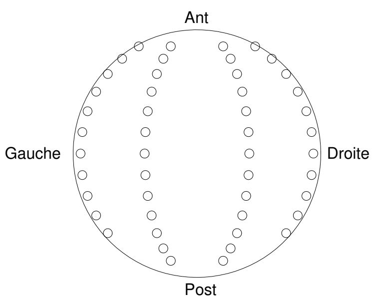
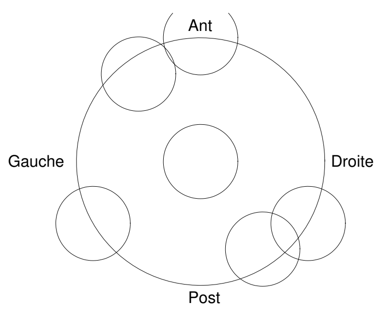
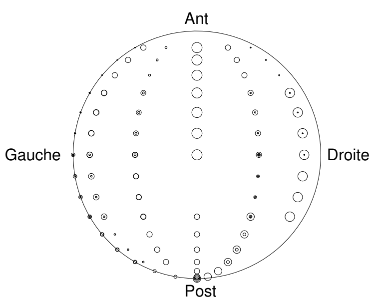
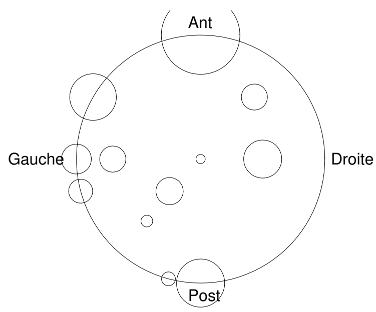
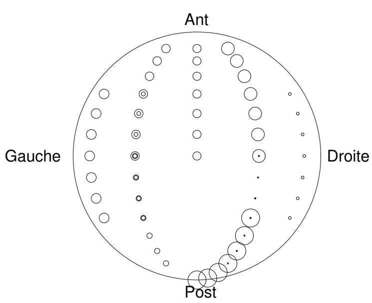
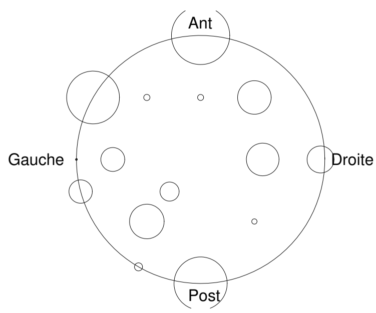
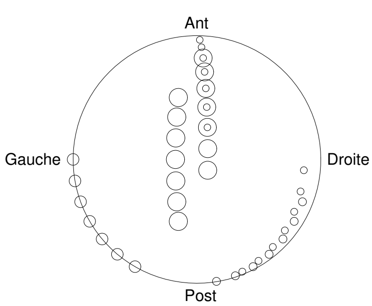
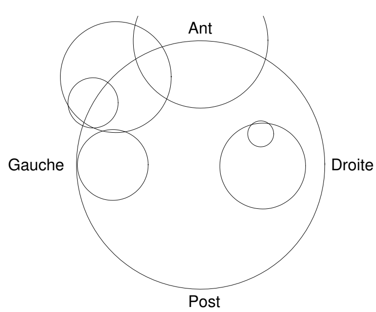




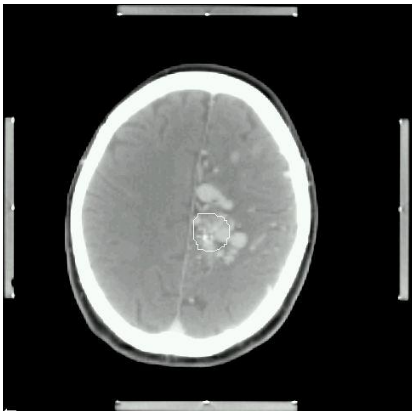

| | Dose prescrite [Gy] | |
|---|---|---|
| | **NNLS** | **gradient** |
| **Thérapie par arcs** | 32 | 22 |
| **Collimateur micro-multilames** | 23 | 19 |

## Organes à risque



| Thérapie par arcs | CMML |
|---|---|
| manuel | manuel |
|   |   |
| NNLS | NNLS |
|   |   |
| gradient | gradient |
|   |   |
| recuit simulé | recuit simulé |
|   |   |

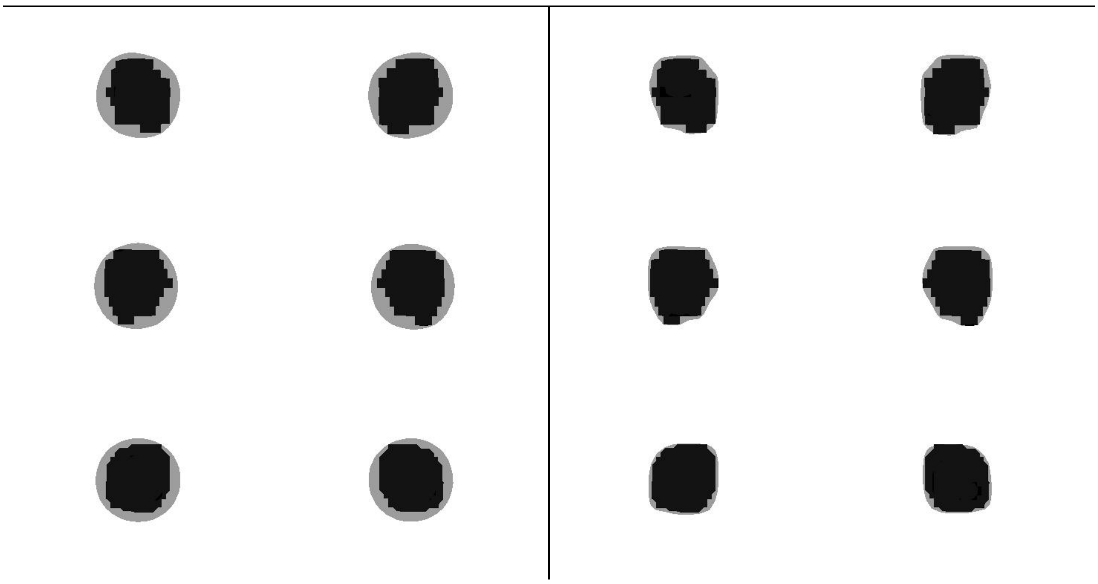
| | |
|---|---|
| NIP | C14 |
| Âge | 59 |
| Sexe | F |
| Localisation | centrale |
| Volume de la lésion | 5,41 [cm$^3$] |
| Nombre d'isoc. | 1 |
| 1 diamètre [cm] | 2,8 |
| 1 coordonnées [cm] | 0,3 ;-0,2 ;-9,9 |

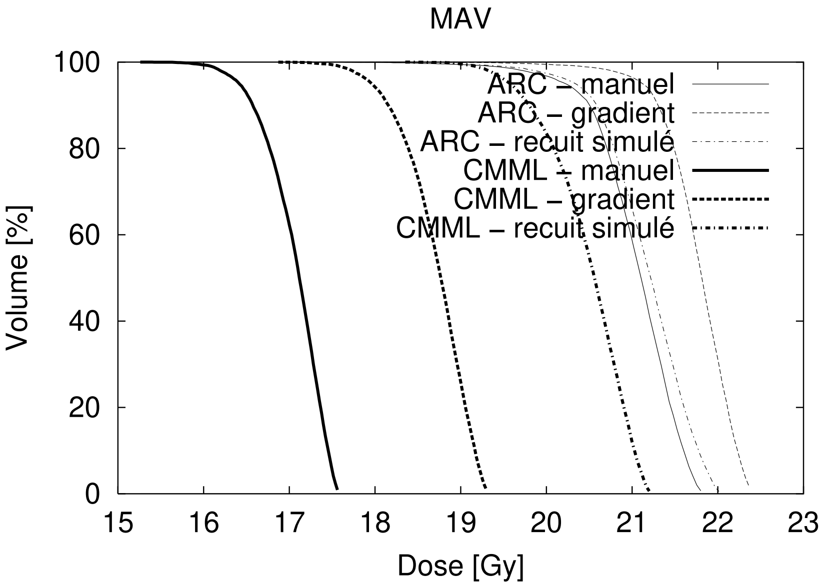


| | | Probabilité de l'effet selon l'algorithme | | | |
|---|---|---|---|---|---|
| **Technique** | **Effet** | **manuel** | **NNLS** | **gradient** | **recuit simulé** |
| Thérapie par arcs | oblitération | 0,78 | 0,78 | 0,79 | 0,78 |
| | complication | 0,122 | 0,150 | 0,130 | 0,136 |
| | **succès** | **0,69** | **0,67** | **0,69** | **0,68** |
| CMML | oblitération | 0,74 | 0,77 | 0,78 | 0,79 |
| | complication | 0,093 | 0,135 | 0,108 | 0,151 |
| | **succès** | **0,67** | **0,66** | **0,69** | **0,67** |

Isodose tridimensionnelle par la méthode du gradient

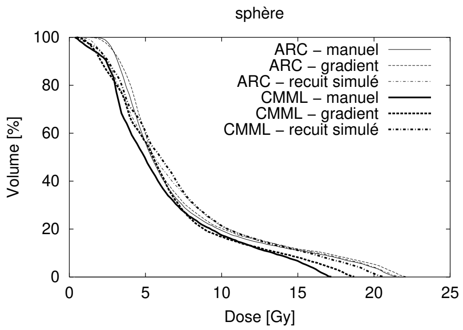
Thérapie par arcs — Collimateur micro-multilames

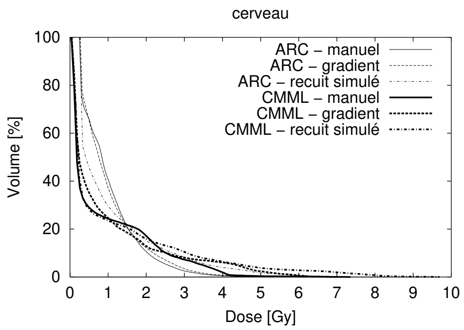


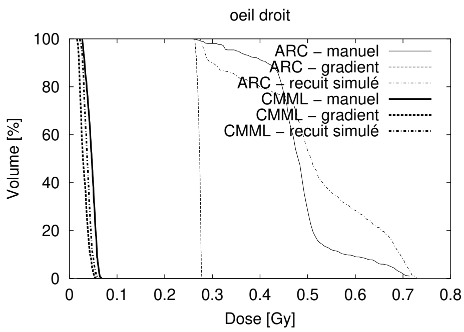


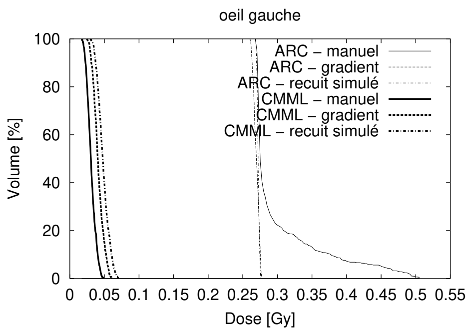

| | Dose prescrite [Gy] | |
|---|---|---|
| | **NNLS** | **gradient** |
| **Thérapie par arcs** | 26 | 21 |
| **Collimateur micro-multilames** | 21 | 18 |

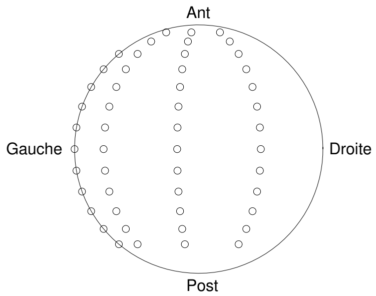
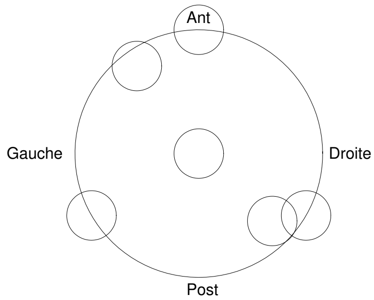
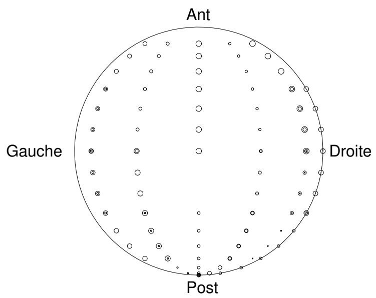
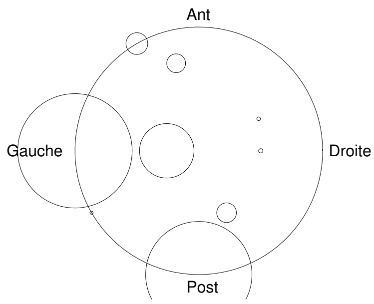
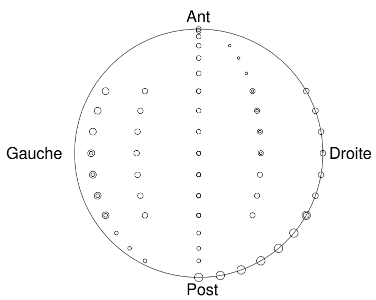
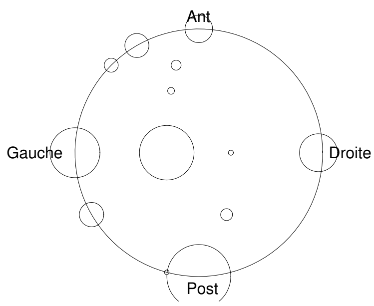
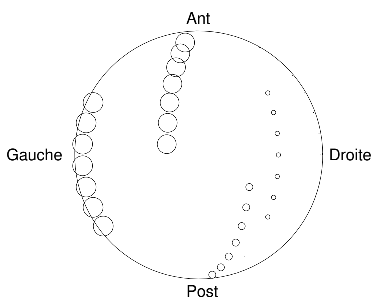
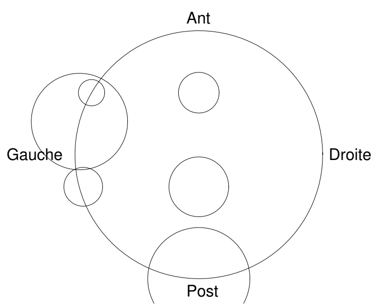
## Organes à risque



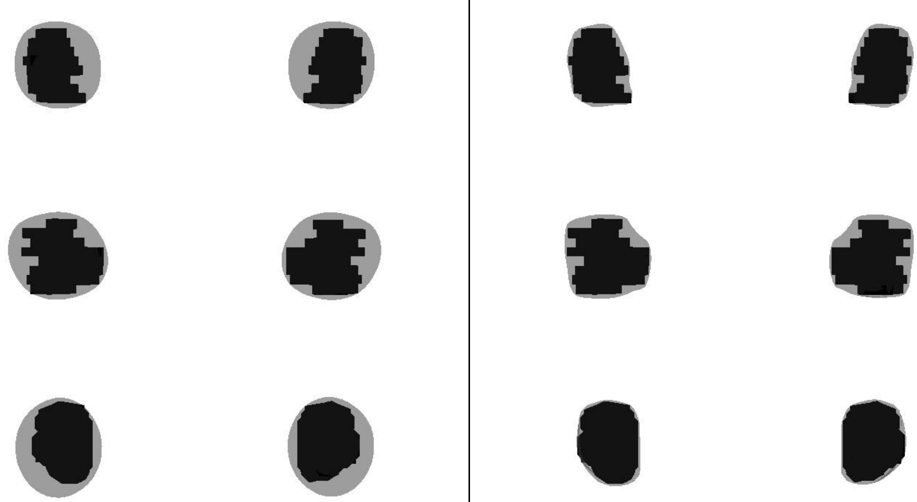
| Thérapie par arcs | CMML |
|---|---|
| manuel | manuel |
|  |  |
| NNLS | NNLS |
|  |  |
| gradient | gradient |
|  |  |
| recuit simulé | recuit simulé |
|  |  |

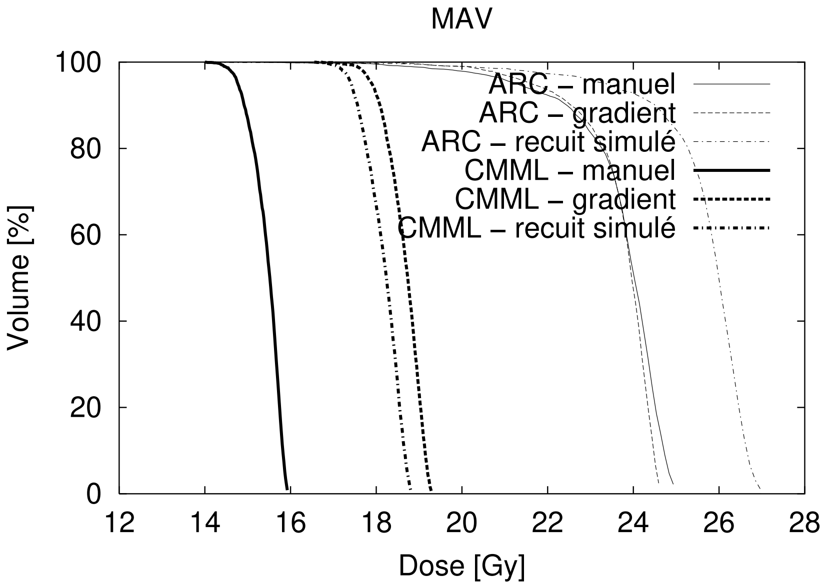
| | |
|---|---|
| NIP | C15 |
| Âge | 55 |
| Sexe | F |
| Localisation | centrale |
| Volume de la lésion | 5,61 [cm$^3$] |
| Nombre d'isoc. | 1 |
| 1 diamètre [cm] | 2,8 |
| 1 coordonnées [cm] | 0 ;-3,7 ;-6,0 |

| | | Probabilité de l'effet selon l'algorithme | | | |
|---|---|---|---|---|---|
| **Technique** | **Effet** | **manuel** | **NNLS** | **gradient** | **recuit simulé** |
| Thérapie par arcs | oblitération | 0,74 | 0,77 | 0,78 | 0,71 |
| | complication | 0,160 | 0,159 | 0,163 | 0,245 |
| | **succès** | **0,63** | **0,65** | **0,65** | **0,54** |
| CMML | oblitération | 0,71 | 0,77 | 0,78 | 0,77 |
| | complication | 0,085 | 0,140 | 0,118 | 0,120 |
| | **succès** | **0,65** | **0,66** | **0,68** | **0,68** |

## Isodose tridimensionnelle par la méthode du gradient

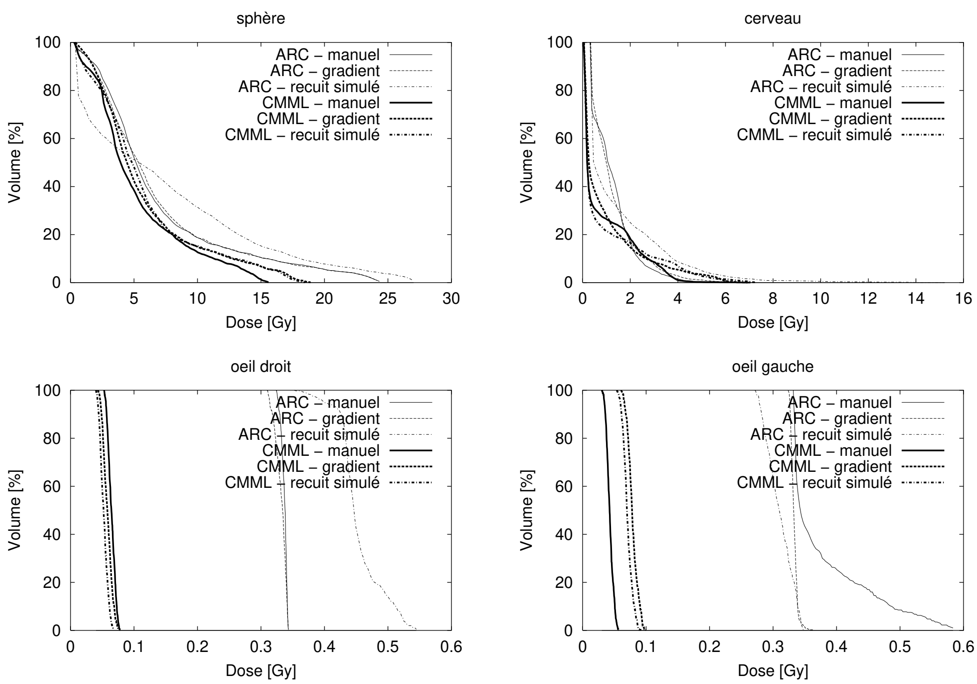
Thérapie par arcs — Collimateur micro-multilames





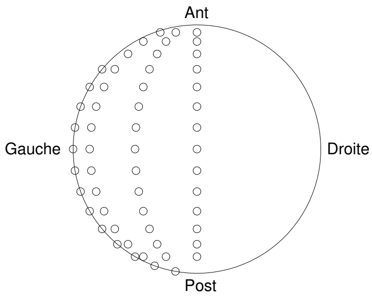

| | Dose prescrite [Gy] | |
|---|---|---|
| | **NNLS** | **gradient** |
| **Thérapie par arcs** | 27 | 21 |
| **Collimateur micro-multilames** | 21 | 18 |

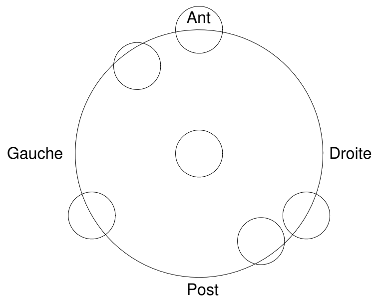
Organes à risque



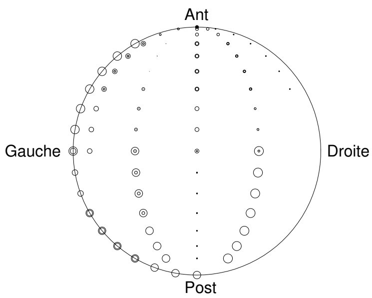
| Thérapie par arcs | CMML |
|---|---|

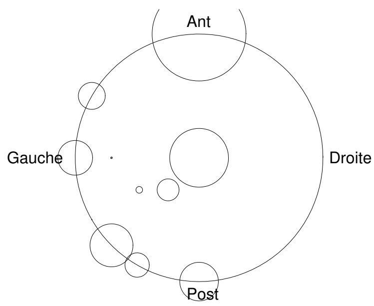
## manuel



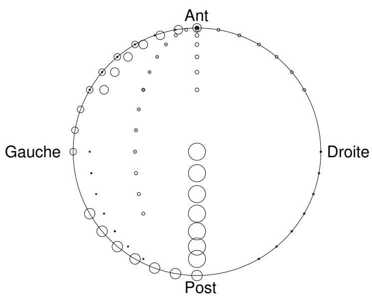



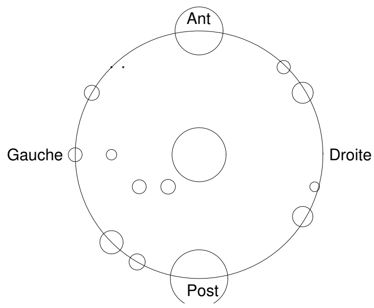

## NNLS



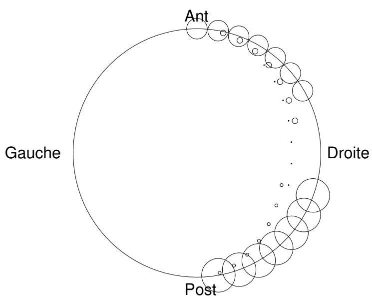



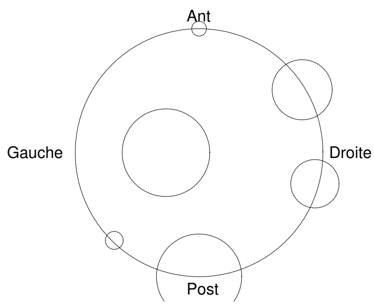

## gradient



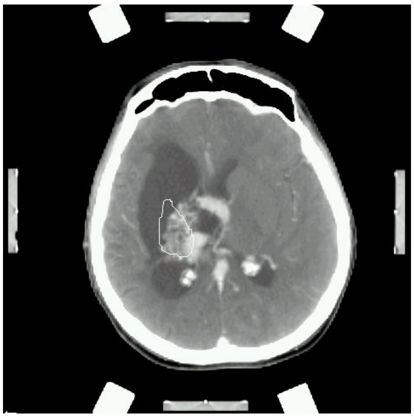




## recuit simulé



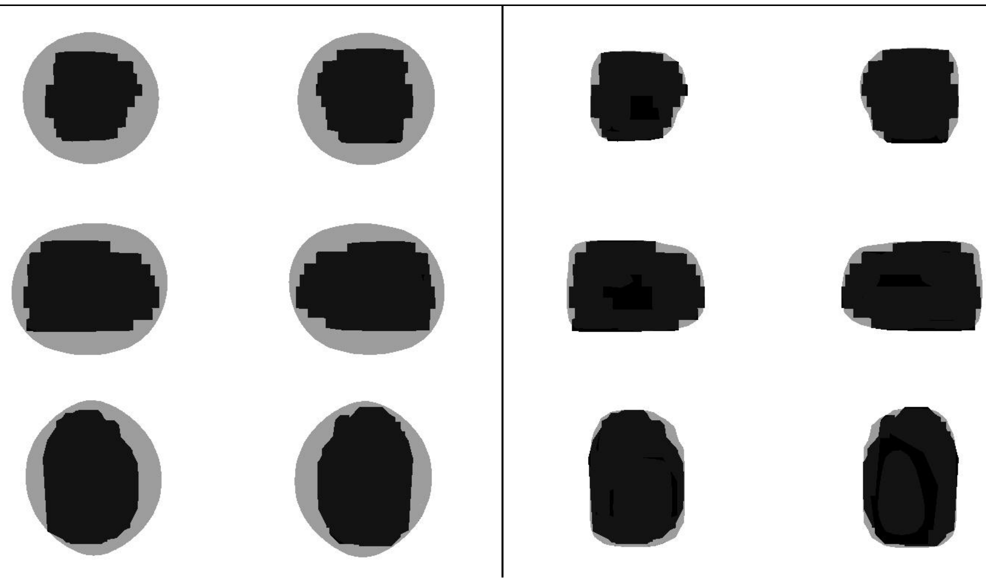
| NIP | C16 |
|---|---|
| Âge | 35 |
| Sexe | F |
| Localisation | centrale |
| Volume de la lésion | 13,38 [cm$^3$] |
| Nombre d'isoc. | 1 |
| 1 {diamètre / coordonnées [cm] | 3,8 / -1,6 ;-0,8 ;-5,2 |

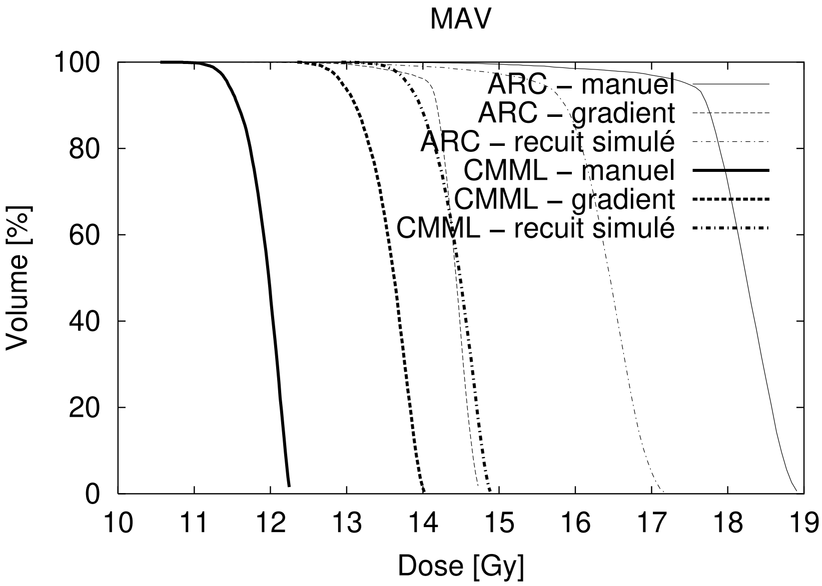


| | | Probabilité de l'effet selon l'algorithme | | | |
|---|---|---|---|---|---|
| **Technique** | **Effet** | **manuel** | **NNLS** | **gradient** | **recuit simulé** |
| Thérapie par arcs | oblitération | 0,77 | 0,75 | 0,75 | 0,76 |
| | complication | 0,211 | 0,178 | 0,151 | 0,181 |
| | **succès** | **0,61** | **0,62** | **0,64** | **0,62** |
| CMML | oblitération | 0,72 | 0,76 | 0,77 | 0,78 |
| | complication | 0,079 | 0,157 | 0,117 | 0,150 |
| | **succès** | **0,66** | **0,64** | **0,68** | **0,67** |

Isodose tridimensionnelle par la méthode du gradient

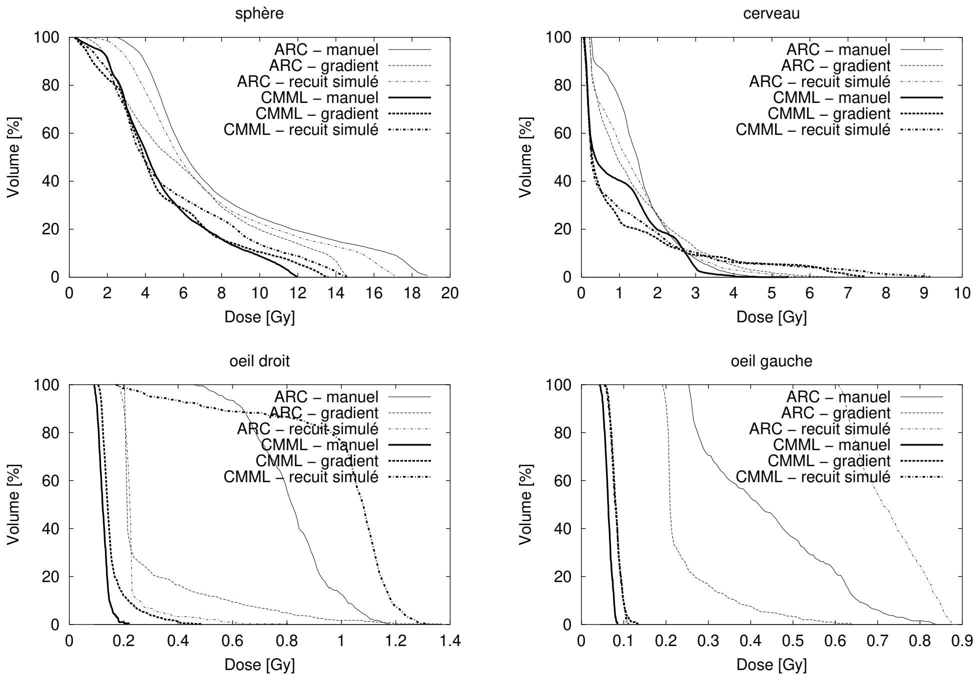
Thérapie par arcs | Collimateur micro-multilames

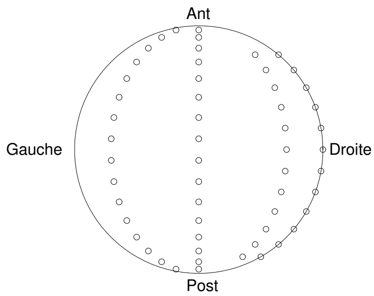
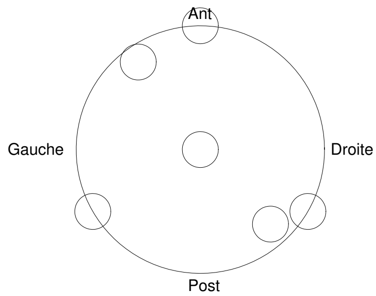
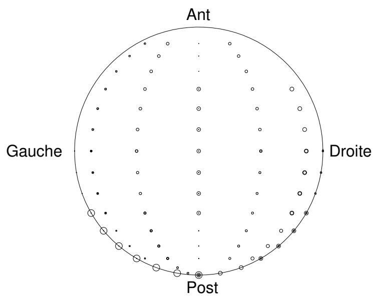
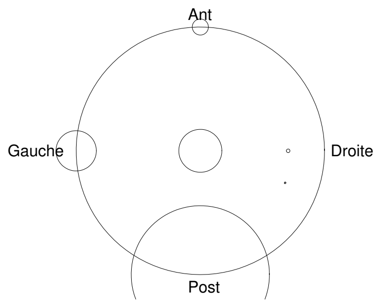
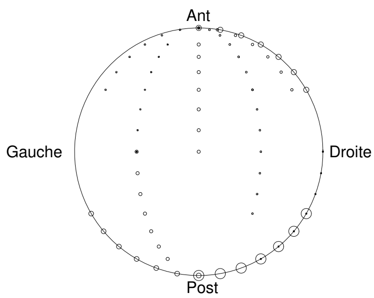
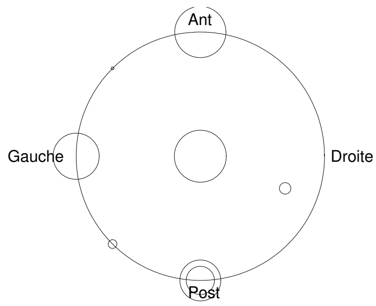
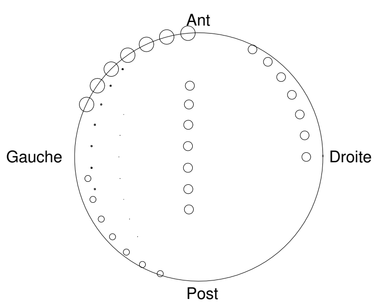
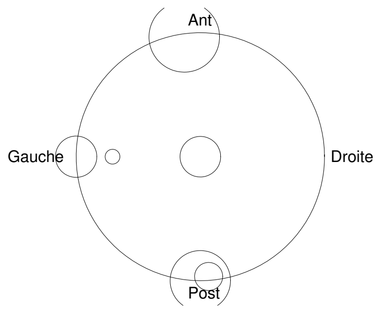





| | Dose prescrite [Gy] | |
|---|---|---|
| | **NNLS** | **gradient** |
| **Thérapie par arcs** | 19 | 14 |
| **Collimateur micro-multilames** | 15 | 13 |

## Organes à risque



| Thérapie par arcs | CMML |
|---|---|
| manuel | manuel |
|  |  |
| NNLS | NNLS |
|  |  |
| gradient | gradient |
|  |  |
| recuit simulé | recuit simulé |
|  |  |