

Novartis Pharmaceuticals Corporation, East Hanover, NJ

Novartis Pharmaceuticals Corporation TSC

Novartis Pharmaceuticals Corporation

00

000

Novartis Pharmaceuticals Corporation 1985 1,400 1,800 1993 1,600 2,000 10,000 1

15,000 6,000 100 100

3 2 3 1 6

1993

| | 0000 | | |
|----|----------|----------|-----------|
| 00 | 000% | 000% | 000% |
| 0 | 178 79.1 | 195 84.8 | 373 82.0 |
| 5 | 17 7.6 | 13 5.7 | 30 6.6 |
| 10 | 10 4.4 | 17 7.4 | 27 5.9 |
| 15 | 10 4.4 | 5 2.2 | 15 3.3 |
| 20 | 3 1.3 | 0 0.0 | 3 0.7 |
| 25 | 4 1.8 | 0 0.0 | 4 0.9 |
| 30 | 1 0.4 | 0 0.0 | 1 0.2 |
| 35 | 1 0.4 | 0 0.0 | 1 0.2 |
| 40 | | | |
| 45 | 1 0.4 | 0 0.0 | 1 0.2 |
| 00 | 225 49.5 | 230 50.5 | 455 100.0 |

2013

166 2013 2⁷⁾ 2001 1 2011 3 SEGA¹ 2² 63%¹ 20¹ 42³ 65¹ TSC2¹ 32⁸⁾⁻¹¹⁾ 1 p<0.0001 2 p=0.0005 χ^2 93³ 83%³ NMI³ 39% 3 p<0.0001 χ^2

2

| | 95% CI | p | |
|---------|--------|--------|-----------------|
| SEGA | 77 | 70-84 | 50-100 1.00 ND |
| SEGA | 2 | 0-5 | 10-35 <0.0001 L |
| | 63 | 56-70 | 75-95 0.0005 L |
| | 20 | 14-26 | 50 <0.0001 L |
| | 42 | 34-49 | 65-75 <0.0001 L |
| Level 3 | 3.6 | 1-6 | |
| Level 2 | 21 | 15-27 | |
| Level 1 | 17 | 11-23 | |
| | 21 | 15-27 | 25-50 0.24 ND |
| | 71 | 64-78 | 64-78 |
| | 61 | 53-69 | 45-55 1.00 ND |
| >4cm | 29 | 22-36 | |
| | 28 | 21-35 | 15-32 0.65 ND |
| | 2.6 | 0-5 | 2 0.59 ND |
| | 79 | 71-87 | |
| LAM | 39 | 29-49 | 2-40 0.92 ND |
| MMPH | 71 | 62-80 | |
| | 98.8 | 97-100 | |
| | 93 | 89-97 | 75-80 <0.0001 H |
| | 46 | 38-54 | 12-40 0.13 ND |
| (>3) | 65 | 58-72 | >90 <0.0001 L |
| | 83 | 77-89 | 20-57 <0.0001 H |
| | 64 | 57-71 | 15-80 1.00 ND |
| | 49 | 39-59 | |

| Pathology | % | 95% CI | n | p | Significance |
|---------------|----|--------|-------|---------|--------------|
| Pathology | 46 | 37-55 | 40-60 | 0.90 | ND |
| Pathology >20 | | | | | |
| Pathology >20 | 57 | 43-71 | | | |
| Pathology | 28 | 14-42 | | | |
| Pathology | | | | | |
| Pathology | 27 | 18-36 | | | |
| Pathology | | | | | |
| TSC1 | 28 | 18-38 | 20 | 0.08 | ND |
| TSC2 | 32 | 21-43 | 66 | <0.0001 | L |
| Pathology NMI | 39 | 30-52 | 20 | <0.0001 | H |

SEN
 SEGA
 LAM
 MMPH multifocal micronodular pneumocyte hyperplasia
 CI
 H
 L
 ND
 χ^2

Wataya-Kaneda M, et al. PLoS ONE 2013; 8: e63910

50 80 20 52 130 90 36 10
 10 19 30 39 1

Image

図2 結節性硬化症の年齢期ごと起こり得る死因



SEGA: 上衣下巨細胞性星細胞腫、肺LAM: 肺リンパ脈管筋腫症

Umeoka S, et al. RadioGraphics 2008; 28: e32より作図

□□□□

- 1) Agata T. Gann Monograph on Cancer Research 1999; 46: 27-35
- 2) Agata T, et al. Annual Report of the Research Committee of Neurocutaneous Syndrome, the Ministry of Health and Welfare 1994: 8-14
- 3) Ahlsén G, et al. Arch Neurol 1994; 51: 76-81
- 4) National Institute of Neurological Disorders and Stroke(NINDS).National Institute of Health(NIH).Tuberous Sclerosis Fact Sheet.2012.
- 5) Osborne JP, et al. Ann N Y Acad Sci 1991; 615: 125-127
- 6) Umeoka S, et al. Radiographics 2008; 28: e32
- 7) Wataya-Kaneda M, et al. PLoS ONE 2013; 8: e63910
- 8) Dabora SL, et al. Am J Hum Genet 2001; 68: 64-80
- 9) Sancak O, et al. Eur J Hum Genet 2005; 13: 731-741.
- 10) Chopra M, et al.J Paediatr Child Health 2011; 47: 711-716.
- 11) Hallett L, et al.Curr Med Res Opin 2011; 27: 1571-1583.
- 12) Shepherd CW, et al. Mayo Clin Proc 1991; 66: 792-796

□□□□□□□□□□□□□□□□

□□□□□□

Source URL: https://www.pro.novartis.com/jp-ja/products/afinitor/tsc/overview_01