

LINE UP

| カタログ番号       | 系統名     | 病理組織所見                          | 移植<br>タイプ | 掲載<br>ページ |
|--------------|---------|---------------------------------|-----------|-----------|
| F_PDX_000097 | DMES001 | Malignant mesothelioma<br>悪性中皮腫 | 直接        | 2         |
| F_PDX_000238 | DMES002 | Malignant mesothelioma<br>悪性中皮腫 | 直接        | 6         |

GEP

SNV

CNV

HLA

## 基本属性

## F-PDX®

移植動物系統 NOG 移植部位 皮下

生着日数 67 日

増殖速度 23.4 mm<sup>3</sup>/day

病理組織所見 悪性中皮腫

培養細胞化

## 移植サンプル

採取部位 原発巣 (大網)

性別 女性 年齢 75 歳

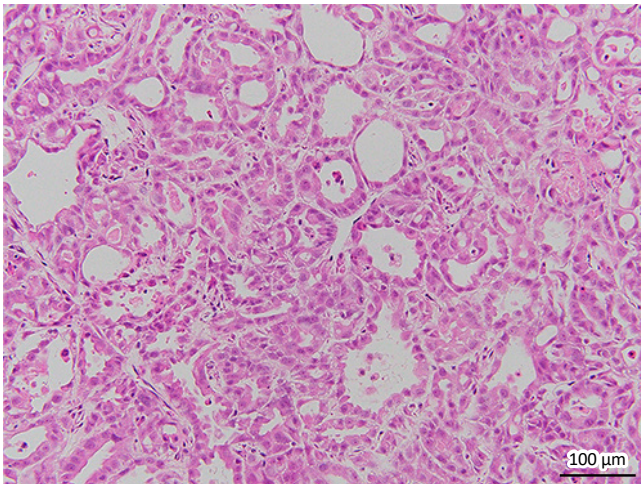
入手先 日本

病理組織所見 悪性中皮腫 &gt; 悪性腹膜中皮腫 &gt; 二相性悪性腹膜中皮腫 (上皮成分および肉腫成分が混在)

F-PDO系統

## 病理組織像

## F-PDX®

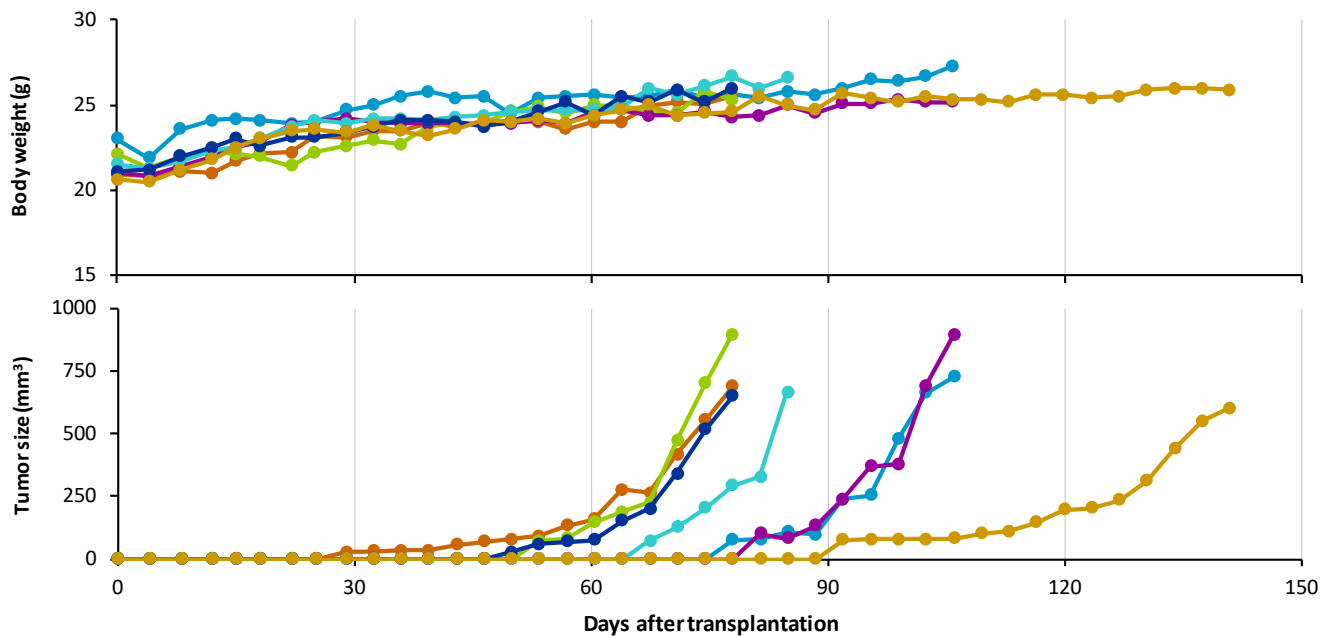


## 元腫瘍

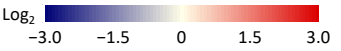
No image available

## 移植後の推移

上段: 体重 / 下段: 腫瘍サイズ

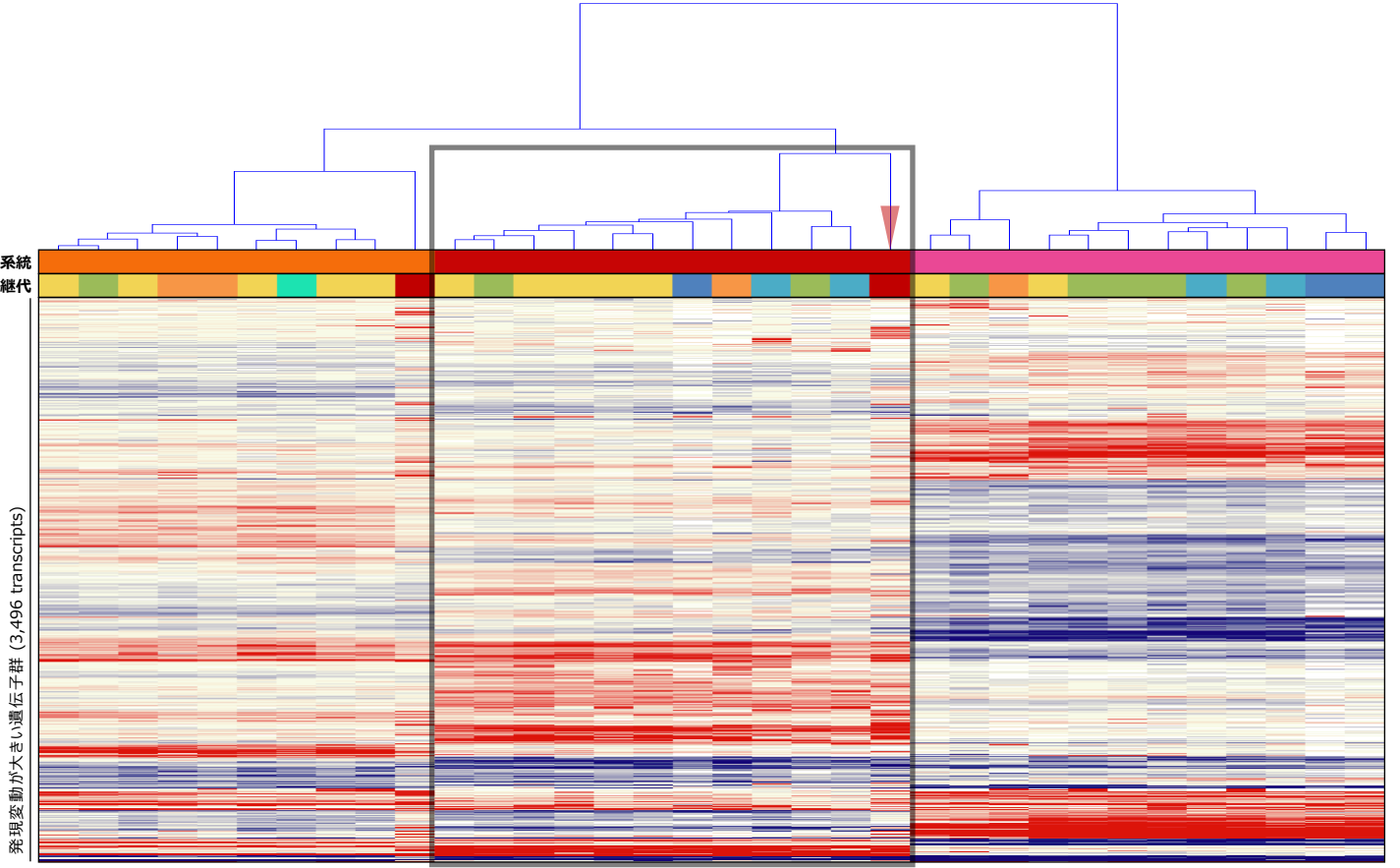


網羅的遺伝子発現解析 (クラスタ分析) による評価

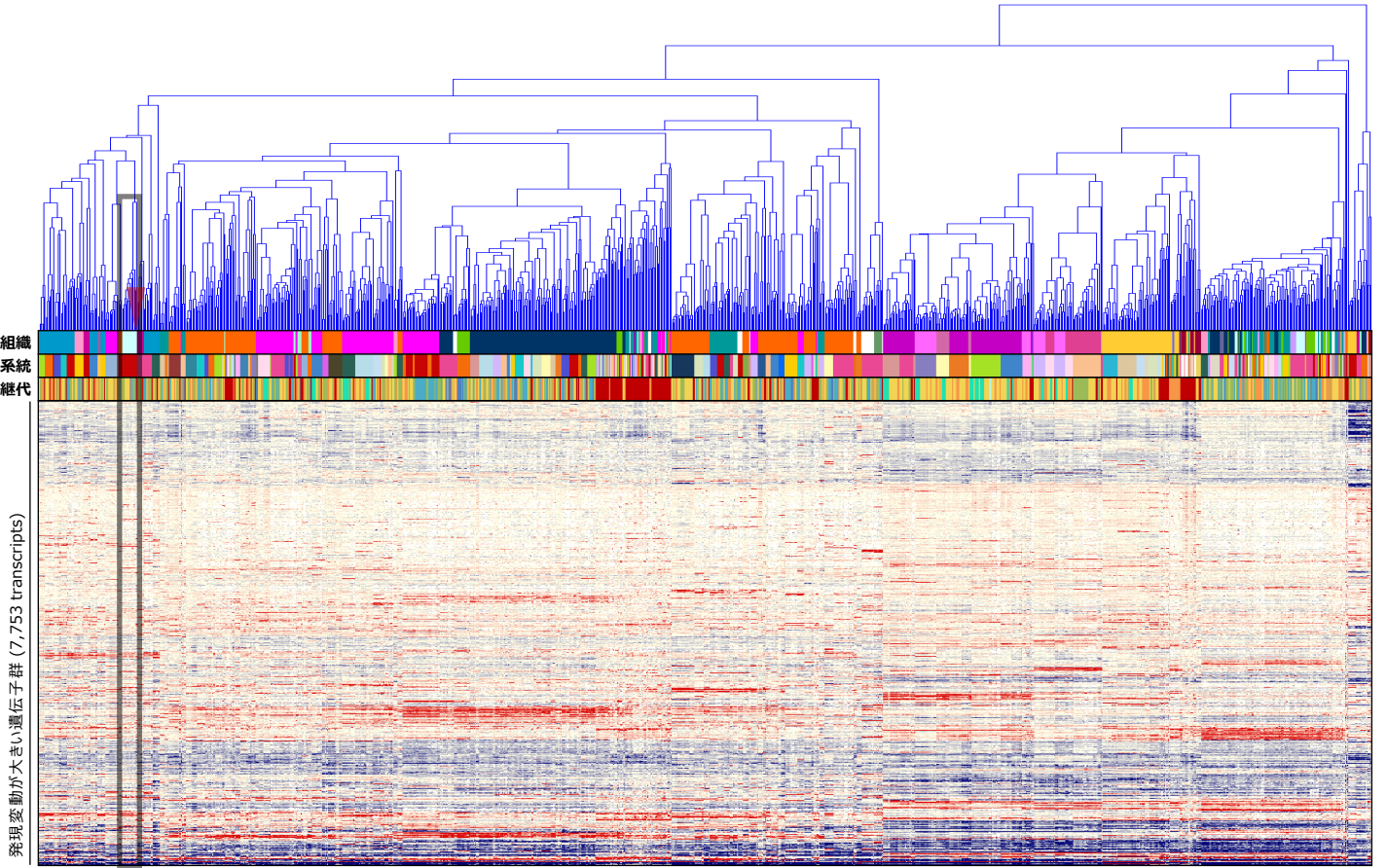


【系統】 元の腫瘍が同じサンプルを同一色で表示      【継代】 P0 P1 P2 P3 P4 P5 P6 多数匹同時移植      ▼ DMES001 の元の腫瘍サンプル

【組織】 がん種が同じサンプルを同一色で表示



悪性中皮腫由来PDX系統および元の腫瘍サンプル (3 series, 34 samples)



すべてのF-PDXサンプル (1,045 samples)

がん関連遺伝子の発現プロファイル

| Gene     | SNV |     | GEP |     | Gene         | GEP |     | Gene    | GEP |     | Gene     | GEP |     | Gene     | GEP |     | Gene    | GEP |     |
|----------|-----|-----|-----|-----|--------------|-----|-----|---------|-----|-----|----------|-----|-----|----------|-----|-----|---------|-----|-----|
|          | Pt. | PDX | Pt. | PDX |              | Pt. | PDX |         | Pt. | PDX |          | Pt. | PDX |          | Pt. | PDX |         | Pt. | PDX |
| AKT1     |     |     |     |     | ABCB1        |     |     | COL1A1  |     |     | G6PD     |     |     | MAGOH    |     |     | PIK3R5  |     |     |
| ALK      |     |     |     |     | ABCC2        |     |     | CRBN    |     |     | GABRA6   |     |     | MALT1    |     |     | PIM1    |     |     |
| AR       |     |     |     |     | ABL1         |     |     | CREB1   |     |     | GAPDH    |     |     | MAML2    |     |     | PLAG1   |     |     |
| ARID1A   |     |     |     |     | ABL2         |     |     | CRLF2   |     |     | GATA1    |     |     | MAP2K2   |     |     | PLCG1   |     |     |
| ATM      |     |     |     |     | ACTB         |     |     | CRTC1   |     |     | GATA2    |     |     | MAP3K1   |     |     | PLCG2   |     |     |
| BRCA1    |     |     |     |     | ACVR1B       |     |     | CSF1R   |     |     | GDNF     |     |     | MAP3K7   |     |     | PLEKHG5 |     |     |
| BRCA2    |     |     |     |     | ACVR2A       |     |     | CTNNA1  |     |     | GID4     |     |     | MAPK1    |     |     | PMS1    |     |     |
| CARD11   |     |     |     |     | ADGRA2       |     |     | CTSV    |     |     | GLI1     |     |     | MAPK8    |     |     | POLD1   |     |     |
| CCNE1    |     |     |     |     | ADGRB3       |     |     | CUL3    |     |     | GNA11    |     |     | MARK4    |     |     | POU5F1  |     |     |
| CDH1     |     |     |     |     | AFF1         |     |     | CYLD    |     |     | GNA13    |     |     | MAX      |     |     | PPARG   |     |     |
| CDK12    |     |     |     |     | AFF2         |     |     | CYP1A2  |     |     | GNAQ     |     |     | MBD1     |     |     | PREX2   |     |     |
| CEBPA    |     |     |     |     | AKT2         |     |     | CYP2C9  |     |     | GRB7     |     |     | MCL1     |     |     | PRKACA  |     |     |
| CREBBP   |     |     |     |     | AKT3         |     |     | CYP2D6  |     |     | GRIN2A   |     |     | MDM4     |     |     | PRKACB  |     |     |
| CTNNB1   |     |     |     |     | ARAF         |     |     | CYP19A1 |     |     | GRM3     |     |     | MED12    |     |     | PRKAR1A |     |     |
| EGFR     |     |     |     |     | ARFRP1       |     |     | DAXX    |     |     | GRM8     |     |     | MED13    |     |     | PRKCI   |     |     |
| ERBB2    |     |     |     |     | ARNT         |     |     | DCC     |     |     | GSK3B    |     |     | MITF     |     |     | PRKDC   |     |     |
| ERG      |     |     |     |     | ATF1         |     |     | DDB2    |     |     | GSTP1    |     |     | MKI67    |     |     | PRSS8   |     |     |
| EZH2     |     |     |     |     | ATR          |     |     | DDIT3   |     |     | GUCY1A2  |     |     | MMP2     |     |     | PSIP1   |     |     |
| FANCA    |     |     |     |     | ATRX         |     |     | DDR1    |     |     | GUSB     |     |     | MMP11    |     |     | PSMB1   |     |     |
| FBXW7    |     |     |     |     | AURKA        |     |     | DDR2    |     |     | H3F3A    |     |     | MN1      |     |     | PSMB2   |     |     |
| FGFR2    |     |     |     |     | AURKB        |     |     | DDX3X   |     |     | HCAR1    |     |     | MPL      |     |     | PSMB5   |     |     |
| FLT3     |     |     |     |     | AURKC        |     |     | DEK     |     |     | HGF      |     |     | MST1R    |     |     | PSMD1   |     |     |
| FLT4     |     |     |     |     | AXIN1        |     |     | DICER1  |     |     | HIF1A    |     |     | MTR      |     |     | PSMD2   |     |     |
| GATA3    |     |     |     |     | AXL          |     |     | DOT1L   |     |     | HLF      |     |     | MTRR     |     |     | PTCH1   |     |     |
| GNAS     |     |     |     |     | BAG1         |     |     | DPYD    |     |     | HNF1A    |     |     | MUC1     |     |     | PTGS2   |     |     |
| HRAS     |     |     |     |     | BARD1        |     |     | DST     |     |     | HSP90AA1 |     |     | MYB      |     |     | PTPRD   |     |     |
| IDH1     |     |     |     |     | BCL2         |     |     | EMSY    |     |     | HSP90AB1 |     |     | MYBL1    |     |     | PTPRT   |     |     |
| IDH2     |     |     |     |     | BCL2L1       |     |     | EPHA3   |     |     | ICK      |     |     | MYBL2    |     |     | QKI     |     |     |
| IL7R     |     |     |     |     | BCL2L2       |     |     | EPHA5   |     |     | IGF1R    |     |     | MYCN     |     |     | RAC1    |     |     |
| JUN      |     |     |     |     | BCL3         |     |     | EPHA7   |     |     | IGF2R    |     |     | MYH9     |     |     | RAD50   |     |     |
| KIT      |     |     |     |     | BCL6         |     |     | EPHB1   |     |     | IKKB     |     |     | MYH11    |     |     | RAD51   |     |     |
| KMT2C    |     |     |     |     | BCL10        |     |     | EPHB4   |     |     | IKZF1    |     |     | NBN      |     |     | RAD51C  |     |     |
| KMT2D    |     |     |     |     | BCL11B       |     |     | EPHB6   |     |     | IL2      |     |     | NCOA1    |     |     | RAF1    |     |     |
| MAP2K1   |     |     |     |     | BCOR         |     |     | ERBB3   |     |     | IL2RA    |     |     | NCOA2    |     |     | RALGDS  |     |     |
| MAP2K4   |     |     |     |     | BCR          |     |     | ERBB4   |     |     | IL2RB    |     |     | NCOA4    |     |     | RANBP2  |     |     |
| MSH2     |     |     |     |     | BIRC3        |     |     | ERCC1   |     |     | IL2RG    |     |     | NELL2    |     |     | RARA    |     |     |
| MSH6     |     |     |     |     | BIRC5        |     |     | ERCC2   |     |     | IL6ST    |     |     | NFKB1    |     |     | RARG    |     |     |
| MYC      |     |     |     |     | BLM          |     |     | ERCC5   |     |     | IL21R    |     |     | NFKB2    |     |     | REL     |     |     |
| MYD88    |     |     |     |     | BLNK         |     |     | ERRFI1  |     |     | ING4     |     |     | NFKBIA   |     |     | RELA    |     |     |
| NF1      |     |     |     |     | BMPR1A       |     |     | ESR1    |     |     | INHBA    |     |     | NLRP1    |     |     | RET     |     |     |
| NF2      |     |     |     |     | BORCS8-MEF2B |     |     | ETS1    |     |     | INPP4B   |     |     | NOTCH2   |     |     | RHEB    |     |     |
| NFE2L2   |     |     |     |     | BRIP1        |     |     | ETV1    |     |     | INSR     |     |     | NOTCH3   |     |     | RHOA    |     |     |
| NKX2-1   |     |     |     |     | BTG1         |     |     | ETV4    |     |     | IRF4     |     |     | NOTCH4   |     |     | RHOH    |     |     |
| NPM1     |     |     |     |     | BTK          |     |     | ETV5    |     |     | IRS2     |     |     | NSD1     |     |     | RICTOR  |     |     |
| NRAS     |     |     |     |     | BUB1B        |     |     | ETV6    |     |     | ITGA9    |     |     | NSD2     |     |     | RNASEL  |     |     |
| NTRK1    |     |     |     |     | CASP8        |     |     | EXT1    |     |     | ITGA10   |     |     | NTRK3    |     |     | RNF2    |     |     |
| PBRM1    |     |     |     |     | CBFB         |     |     | EXT2    |     |     | ITGB2    |     |     | NUMA1    |     |     | RNF43   |     |     |
| PIK3CA   |     |     |     |     | CCNB1        |     |     | FANCC   |     |     | ITGB3    |     |     | NUP93    |     |     | ROS1    |     |     |
| PIK3R1   |     |     |     |     | CCND2        |     |     | FANCI   |     |     | JAK1     |     |     | NUP98    |     |     | RPLP0   |     |     |
| POLE     |     |     |     |     | CCND3        |     |     | FANCL   |     |     | JAK2     |     |     | NUP214   |     |     | RPS6KA2 |     |     |
| PPP2R1A  |     |     |     |     | CD68         |     |     | FAS     |     |     | JAK3     |     |     | NUTM1    |     |     | RPS6KB1 |     |     |
| PRDM1    |     |     |     |     | CD79A        |     |     | FAT1    |     |     | KAT6B    |     |     | PARP1    |     |     | RRM1    |     |     |
| PTPN11   |     |     |     |     | CD274        |     |     | FGF3    |     |     | KDR      |     |     | PAX3     |     |     | RSPQ2   |     |     |
| RB1      |     |     |     |     | CDA          |     |     | FGF4    |     |     | KEAP1    |     |     | PAX5     |     |     | RSPQ3   |     |     |
| RECQL4   |     |     |     |     | CDC73        |     |     | FGF10   |     |     | KEL      |     |     | PAX7     |     |     | RUNX1   |     |     |
| SF3B1    |     |     |     |     | CDH2         |     |     | FGF14   |     |     | KLF4     |     |     | PAX8     |     |     | RXRA    |     |     |
| SMAD4    |     |     |     |     | CDH5         |     |     | FGF19   |     |     | KNL1     |     |     | PBX1     |     |     | RXRB    |     |     |
| SMARCA4  |     |     |     |     | CDH11        |     |     | FGF23   |     |     | LAMA2    |     |     | PDCD1LG2 |     |     | RXRG    |     |     |
| SMARCB1  |     |     |     |     | CDH20        |     |     | FGR     |     |     | LAMP1    |     |     | PDE4DIP  |     |     | SAMD9   |     |     |
| SOX2     |     |     |     |     | CDK2         |     |     | FH      |     |     | LCK      |     |     | PDGFB    |     |     | SBDS    |     |     |
| STK11    |     |     |     |     | CDK4         |     |     | FLCN    |     |     | LIFR     |     |     | PDGFRA   |     |     | SCUBE2  |     |     |
| TNFRSF14 |     |     |     |     | CDK8         |     |     | FLI1    |     |     | LMO1     |     |     | PDGFRB   |     |     | SDHA    |     |     |
| TP53     |     |     |     |     | CDKN1A       |     |     | FLT1    |     |     | LPP      |     |     | PDK1     |     |     | SDHB    |     |     |
| TSC1     |     |     |     |     | CDKN1B       |     |     | FOXL2   |     |     | LRP1B    |     |     | PER1     |     |     | SDHC    |     |     |
| USP9X    |     |     |     |     | CDKN2C       |     |     | FOXO1   |     |     | LTF      |     |     | PGAP3    |     |     | SDHD    |     |     |
| WRN      |     |     |     |     | CHD7         |     |     | FOXO3   |     |     | LTK      |     |     | PGR      |     |     | SEPT9   |     |     |
| XPO1     |     |     |     |     | CHEK1        |     |     | FOXP1   |     |     | LYN      |     |     | PHF6     |     |     | SGK1    |     |     |
|          |     |     |     |     | CHEK2        |     |     | FRS2    |     |     | MAF      |     |     | PHOX2B   |     |     | SH2D1A  |     |     |
|          |     |     |     |     | CHIC2        |     |     | FSTL5   |     |     | MAFB     |     |     | PIK3CD   |     |     | SHH     |     |     |
|          |     |     |     |     | CKS1B        |     |     | FUBP1   |     |     | MAGEA1   |     |     | PIK3CG   |     |     | SHOC2   |     |     |
|          |     |     |     |     | CMPK1        |     |     | FZR1    |     |     | MAGI2    |     |     | PIK3R2   |     |     | SLC22A1 |     |     |

【SNV検出】

Missense

Frameshift Indel

Fusion

Inframe Indel

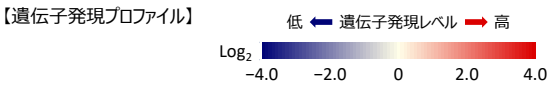
Nonsense

ITD

Stop Loss

Other

Multiple



臨床情報

F\_PDX\_000097

2024/12/17

|               |                                                   |                                           |                                                                                                       |         |       |
|---------------|---------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------|---------|-------|
| 臨床情報シート区分     |                                                   | 腹膜腫瘍                                      |                                                                                                       |         |       |
| 性 別           | 女                                                 | 年 齢                                       | 75 歳                                                                                                  | 採 取 部 位 | 大網・小網 |
| 診 断 名         | 臓器分類: 腹膜 <span>PE</span>                          |                                           |                                                                                                       |         |       |
|               | 病理診断名                                             |                                           | 診断コード                                                                                                 |         |       |
|               | 悪性中皮腫                                             |                                           | PE1.2 <input type="checkbox"/> 胸膜 <input checked="" type="checkbox"/> 腹膜 <input type="checkbox"/> その他 |         |       |
| 病 期 分 類       |                                                   |                                           |                                                                                                       |         |       |
| 手 術・病 理 所 見   | 腹水/腹腔洗浄液      CLASS IV                            |                                           |                                                                                                       |         |       |
| 免疫組織学的<br>検 査 | AE1/AE3<br>Vimentin<br>CD99<br>Calretinin<br>WT-1 | 陽性(+)<br>陽性(+)<br>陽性(+)<br>陽性(+)<br>陰性(-) | D2-40      陰性(-)<br>Thrombomodulin      陰性(-)                                                         |         |       |
| 既 往 歴         |                                                   |                                           |                                                                                                       |         |       |
| 放射線療法歴        |                                                   |                                           |                                                                                                       |         |       |
| 薬剤治療歴         |                                                   |                                           |                                                                                                       |         |       |
| 喫 煙 歴         | なし                                                |                                           |                                                                                                       |         |       |
| 飲 酒 歴         | なし                                                |                                           |                                                                                                       |         |       |
| 特 記 事 項       |                                                   |                                           |                                                                                                       |         |       |



GEP

SNV

CNV

HLA

## 基本属性

## F-PDX®

移植動物系統 NOG 移植部位 皮下

生着日数 22 日

増殖速度 17.5 mm<sup>3</sup>/day

病理組織所見 悪性中皮腫

培養細胞化

## 移植サンプル

採取部位 原発巣 (胸膜)

性別 男性

年齢 77 歳

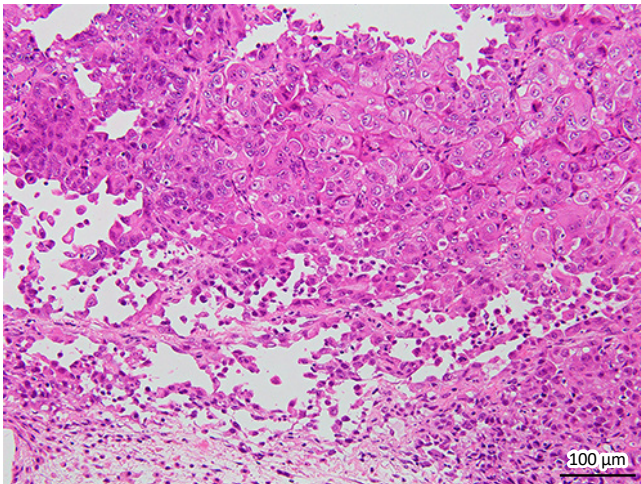
入手先 日本

病理組織所見 びまん性悪性中皮腫

F-PDO系統

## 病理組織像

## F-PDX®

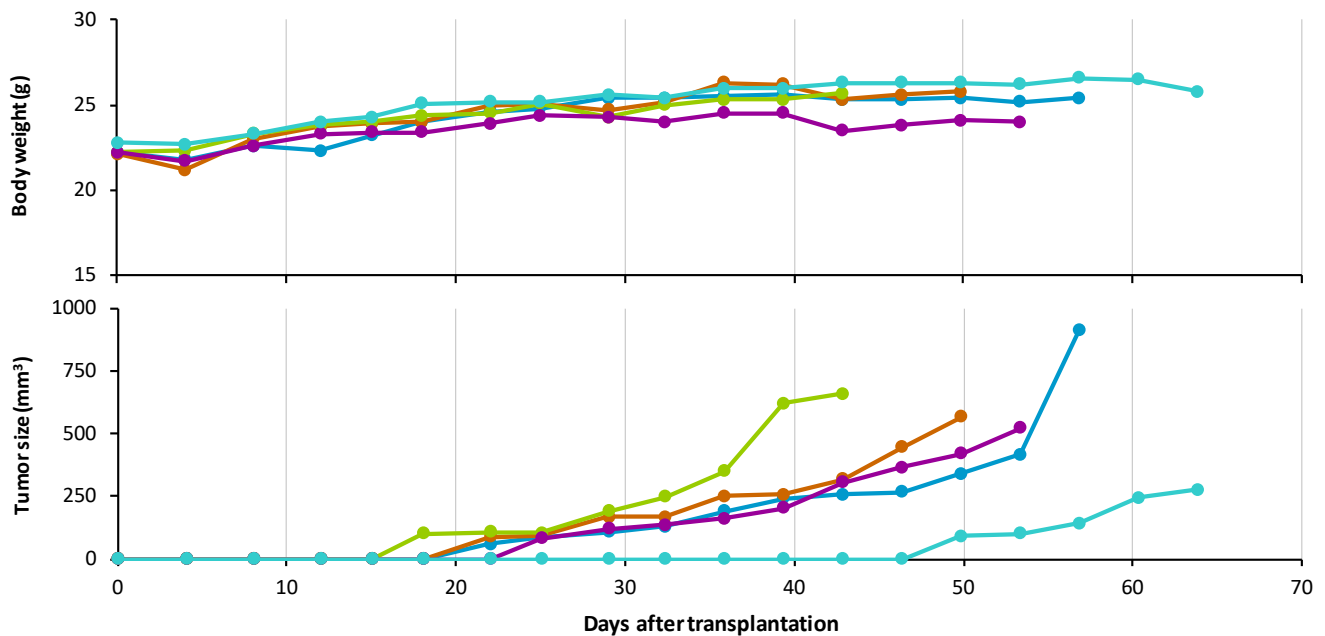


## 元腫瘍

No image available

## 移植後の推移

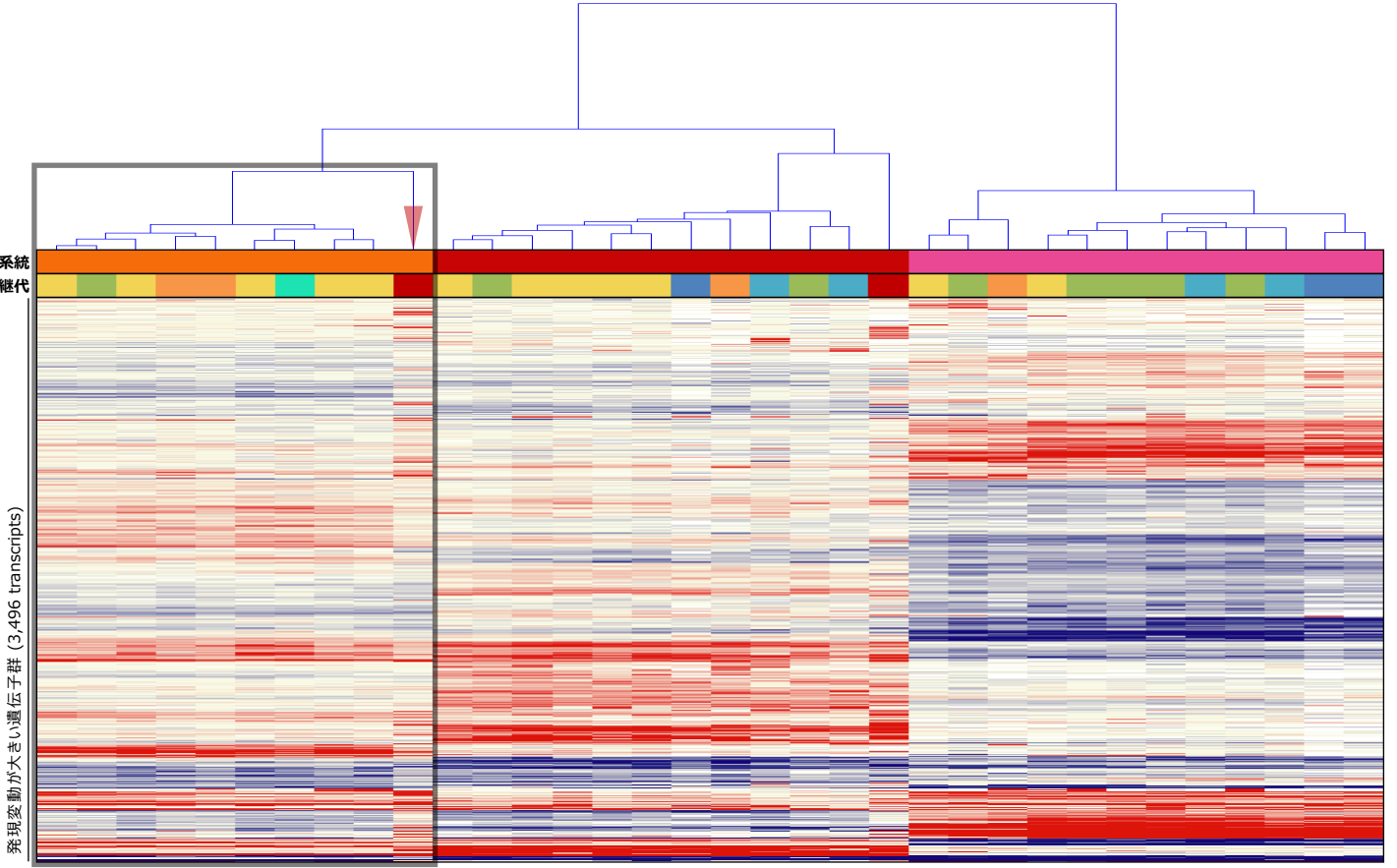
上段: 体重 / 下段: 腫瘍サイズ



網羅的遺伝子発現解析（クラスタ分析）による評価



【系統】 元の腫瘍が同じサンプルを同一色で表示      【継代】 P0 P1 P2 P3 P4 P5 多数匹同時移植      ▼ DMES002 の元の腫瘍サンプル



悪性中皮腫由来PDX系統および元の腫瘍サンプル (3 series, 34 samples)

がん関連遺伝子の発現プロファイル

| Gene     | SNV |     | GEP |     | Gene         | GEP |     | Gene    | GEP |     | Gene     | GEP |     | Gene     | GEP |     | Gene    | GEP |     |
|----------|-----|-----|-----|-----|--------------|-----|-----|---------|-----|-----|----------|-----|-----|----------|-----|-----|---------|-----|-----|
|          | Pt. | PDX | Pt. | PDX |              | Pt. | PDX |         | Pt. | PDX |          | Pt. | PDX |          | Pt. | PDX |         | Pt. | PDX |
| AKT1     |     |     |     |     | ABCB1        |     |     | COL1A1  |     |     | G6PD     |     |     | MAGOH    |     |     | PIK3R5  |     |     |
| ALK      |     |     |     |     | ABCC2        |     |     | CRBN    |     |     | GABRA6   |     |     | MALT1    |     |     | PIM1    |     |     |
| AR       |     |     |     |     | ABL1         |     |     | CREB1   |     |     | GAPDH    |     |     | MAML2    |     |     | PLAG1   |     |     |
| ARID1A   |     |     |     |     | ABL2         |     |     | CRLF2   |     |     | GATA1    |     |     | MAP2K2   |     |     | PLCG1   |     |     |
| ATM      |     |     |     |     | ACTB         |     |     | CRTC1   |     |     | GATA2    |     |     | MAP3K1   |     |     | PLCG2   |     |     |
| BRCA1    |     |     |     |     | ACVR1B       |     |     | CSF1R   |     |     | GDNF     |     |     | MAP3K7   |     |     | PLEKHG5 |     |     |
| BRCA2    |     |     |     |     | ACVR2A       |     |     | CTNNA1  |     |     | GID4     |     |     | MAPK1    |     |     | PMS1    |     |     |
| CARD11   |     |     |     |     | ADGRA2       |     |     | CTSV    |     |     | GLI1     |     |     | MAPK8    |     |     | POLD1   |     |     |
| CCNE1    |     |     |     |     | ADGRB3       |     |     | CUL3    |     |     | GNA11    |     |     | MARK4    |     |     | POU5F1  |     |     |
| CDH1     |     |     |     |     | AFF1         |     |     | CYLD    |     |     | GNA13    |     |     | MAX      |     |     | PPARG   |     |     |
| CDK12    |     |     |     |     | AFF3         |     |     | CYP1A2  |     |     | GNAQ     |     |     | MBD1     |     |     | PREX2   |     |     |
| CEBPA    |     |     |     |     | AKT2         |     |     | CYP2C9  |     |     | GRB7     |     |     | MCL1     |     |     | PRKACA  |     |     |
| CREBBP   |     |     |     |     | AKT3         |     |     | CYP2D6  |     |     | GRIN2A   |     |     | MDM4     |     |     | PRKACB  |     |     |
| CTNNB1   |     |     |     |     | ARAF         |     |     | CYP19A1 |     |     | GRM3     |     |     | MED12    |     |     | PRKAR1A |     |     |
| EGFR     |     |     |     |     | ARFRP1       |     |     | DAXX    |     |     | GRM8     |     |     | MED13    |     |     | PRKCI   |     |     |
| ERBB2    |     |     |     |     | ARNT         |     |     | DCC     |     |     | GSK3B    |     |     | MITF     |     |     | PRKDC   |     |     |
| ERG      |     |     |     |     | ATF1         |     |     | DDB2    |     |     | GSTP1    |     |     | MKI67    |     |     | PRSS8   |     |     |
| EZH2     |     |     |     |     | ATR          |     |     | DDIT3   |     |     | GUCY1A2  |     |     | MMP2     |     |     | PSIP1   |     |     |
| FANCA    |     |     |     |     | ATRX         |     |     | DDR1    |     |     | GUSB     |     |     | MMP11    |     |     | PSMB1   |     |     |
| FBXW7    |     |     |     |     | AURKA        |     |     | DDR2    |     |     | H3F3A    |     |     | MN1      |     |     | PSMB2   |     |     |
| FGFR2    |     |     |     |     | AURKB        |     |     | DDX3X   |     |     | HCAR1    |     |     | MPL      |     |     | PSMB5   |     |     |
| FLT3     |     |     |     |     | AURKC        |     |     | DEK     |     |     | HGF      |     |     | MST1R    |     |     | PSMD1   |     |     |
| FLT4     |     |     |     |     | AXIN1        |     |     | DICER1  |     |     | HIF1A    |     |     | MTR      |     |     | PSMD2   |     |     |
| GATA3    |     |     |     |     | AXL          |     |     | DOT1L   |     |     | HLF      |     |     | MTRR     |     |     | PTCH1   |     |     |
| GNAS     |     |     |     |     | BAG1         |     |     | DPYD    |     |     | HNF1A    |     |     | MUC1     |     |     | PTGS2   |     |     |
| HRAS     |     |     |     |     | BARD1        |     |     | DST     |     |     | HSP90AA1 |     |     | MYB      |     |     | PTPRD   |     |     |
| IDH1     |     |     |     |     | BCL2         |     |     | EMSY    |     |     | HSP90AB1 |     |     | MYBL1    |     |     | PTPRT   |     |     |
| IDH2     |     |     |     |     | BCL2L1       |     |     | EPHA3   |     |     | ICK      |     |     | MYBL2    |     |     | QKI     |     |     |
| IL7R     |     |     |     |     | BCL2L2       |     |     | EPHA5   |     |     | IGF1R    |     |     | MYCN     |     |     | RAC1    |     |     |
| JUN      |     |     |     |     | BCL3         |     |     | EPHA7   |     |     | IGF2R    |     |     | MYH9     |     |     | RAD50   |     |     |
| KIT      |     |     |     |     | BCL6         |     |     | EPHB1   |     |     | IKBK8    |     |     | MYH11    |     |     | RAD51   |     |     |
| KMT2C    |     |     |     |     | BCL10        |     |     | EPHB4   |     |     | IKZF1    |     |     | NBN      |     |     | RAD51C  |     |     |
| KMT2D    |     |     |     |     | BCL11B       |     |     | EPHB6   |     |     | IL2      |     |     | NCOA1    |     |     | RAF1    |     |     |
| MAP2K1   |     |     |     |     | BCOR         |     |     | ERBB3   |     |     | IL2RA    |     |     | NCOA2    |     |     | RALGDS  |     |     |
| MAP2K4   |     |     |     |     | BCR          |     |     | ERBB4   |     |     | IL2RB    |     |     | NCOA4    |     |     | RANBP2  |     |     |
| MSH2     |     |     |     |     | BIRC3        |     |     | ERCC1   |     |     | IL2RG    |     |     | NELL2    |     |     | RARA    |     |     |
| MSH6     |     |     |     |     | BIRC5        |     |     | ERCC2   |     |     | IL6ST    |     |     | NFKB1    |     |     | RARG    |     |     |
| MYC      |     |     |     |     | BLM          |     |     | ERCC5   |     |     | IL21R    |     |     | NFKB2    |     |     | REL     |     |     |
| MYD88    |     |     |     |     | BLNK         |     |     | ERRFI1  |     |     | ING4     |     |     | NFKBIA   |     |     | RELA    |     |     |
| NF1      |     |     |     |     | BMPR1A       |     |     | ESR1    |     |     | INHBA    |     |     | NLRP1    |     |     | RET     |     |     |
| NF2      |     |     |     |     | BORCS8-MEF2B |     |     | ETS1    |     |     | INPP4B   |     |     | NOTCH2   |     |     | RHEB    |     |     |
| NFE2L2   |     |     |     |     | BRIP1        |     |     | ETV1    |     |     | INSR     |     |     | NOTCH3   |     |     | RHOA    |     |     |
| NKX2-1   |     |     |     |     | BTG1         |     |     | ETV4    |     |     | IRF4     |     |     | NOTCH4   |     |     | RHOH    |     |     |
| NPM1     |     |     |     |     | BTK          |     |     | ETV5    |     |     | IRS2     |     |     | NSD1     |     |     | RICTOR  |     |     |
| NRAS     |     |     |     |     | BUB1B        |     |     | ETV6    |     |     | ITGA9    |     |     | NSD2     |     |     | RNASEL  |     |     |
| NTRK1    |     |     |     |     | CASP8        |     |     | EXT1    |     |     | ITGA10   |     |     | NTRK3    |     |     | RNF2    |     |     |
| PBRM1    |     |     |     |     | CBFB         |     |     | EXT2    |     |     | ITGB2    |     |     | NUMA1    |     |     | RNF43   |     |     |
| PIK3CA   |     |     |     |     | CCNB1        |     |     | FANCC   |     |     | ITGB3    |     |     | NUP93    |     |     | ROS1    |     |     |
| PIK3R1   |     |     |     |     | CCND2        |     |     | FANCI   |     |     | JAK1     |     |     | NUP98    |     |     | RPLP0   |     |     |
| POLE     |     |     |     |     | CCND3        |     |     | FANCL   |     |     | JAK2     |     |     | NUP214   |     |     | RPS6KA2 |     |     |
| PPP2R1A  |     |     |     |     | CD68         |     |     | FAS     |     |     | JAK3     |     |     | NUTM1    |     |     | RPS6KB1 |     |     |
| PRDM1    |     |     |     |     | CD79A        |     |     | FAT1    |     |     | KAT6B    |     |     | PARP1    |     |     | RRM1    |     |     |
| PTPN11   |     |     |     |     | CD274        |     |     | FGF3    |     |     | KDR      |     |     | PAX3     |     |     | RSP02   |     |     |
| RB1      |     |     |     |     | CDA          |     |     | FGF4    |     |     | KEAP1    |     |     | PAX5     |     |     | RSP03   |     |     |
| RECQL4   |     |     |     |     | CDC73        |     |     | FGF10   |     |     | KEL      |     |     | PAX7     |     |     | RUNX1   |     |     |
| SF3B1    |     |     |     |     | CDH2         |     |     | FGF14   |     |     | KLF4     |     |     | PAX8     |     |     | RXRA    |     |     |
| SMAD4    |     |     |     |     | CDH5         |     |     | FGF19   |     |     | KNL1     |     |     | PBX1     |     |     | RXR8    |     |     |
| SMARCA4  |     |     |     |     | CDH11        |     |     | FGF23   |     |     | LAMA2    |     |     | PDCD1LG2 |     |     | RXRG    |     |     |
| SMARCB1  |     |     |     |     | CDH20        |     |     | FGR     |     |     | LAMP1    |     |     | PDE4DIP  |     |     | SAMD9   |     |     |
| SOX2     |     |     |     |     | CDK2         |     |     | FH      |     |     | LCK      |     |     | PDGFB    |     |     | SBDS    |     |     |
| STK11    |     |     |     |     | CDK4         |     |     | FLCN    |     |     | LIFR     |     |     | PDGFRA   |     |     | SCUBE2  |     |     |
| TNFRSF14 |     |     |     |     | CDK8         |     |     | FLI1    |     |     | LMO1     |     |     | PDGFRB   |     |     | SDHA    |     |     |
| TP53     |     |     |     |     | CDKN1A       |     |     | FLT1    |     |     | LPP      |     |     | PDK1     |     |     | SDHB    |     |     |
| TSC1     |     |     |     |     | CDKN1B       |     |     | FOXL2   |     |     | LRP1B    |     |     | PER1     |     |     | SDHC    |     |     |
| USP9X    |     |     |     |     | CDKN2C       |     |     | FOXO1   |     |     | LTF      |     |     | PGAP3    |     |     | SDHD    |     |     |
| WRN      |     |     |     |     | CHD7         |     |     | FOXO3   |     |     | LTK      |     |     | PGR      |     |     | SEPT9   |     |     |
| XPO1     |     |     |     |     | CHEK1        |     |     | FOXP1   |     |     | LYN      |     |     | PHF6     |     |     | SGK1    |     |     |
|          |     |     |     |     | CHEK2        |     |     | FRS2    |     |     | MAF      |     |     | PHOX2B   |     |     | SH2D1A  |     |     |
|          |     |     |     |     | CHIC2        |     |     | FSTL5   |     |     | MAFB     |     |     | PIK3CD   |     |     | SHH     |     |     |
|          |     |     |     |     | CKS1B        |     |     | FUBP1   |     |     | MAGEA1   |     |     | PIK3CG   |     |     | SHOC2   |     |     |
|          |     |     |     |     | CMPK1        |     |     | FZR1    |     |     | MAGI2    |     |     | PIK3R2   |     |     | SLC22A1 |     |     |

【SNV検出】

- Missense
- Frameshift Indel
- Fusion
- Inframe Indel
- Nonsense
- ITD
- Stop Loss
- Other
- Multiple

【遺伝子発現プロファイル】

低 ← 遺伝子発現レベル → 高

Log<sub>2</sub> -4.0 -2.0 0 2.0 4.0



臨床情報

F\_PDX\_000238

2024/12/17

|                |                         |       |                                                                                                       |                |       |
|----------------|-------------------------|-------|-------------------------------------------------------------------------------------------------------|----------------|-------|
| 臨床情報シート区分      |                         | 胸膜腫瘍  |                                                                                                       |                |       |
| 性 別            | 男                       | 年 齢   | 77 歳                                                                                                  | 採 取 部 位        | 胸膜    |
| 診 断 名          | 臓器分類: 胸膜 LP             |       |                                                                                                       |                |       |
|                | 病理診断名                   |       | 診断コード                                                                                                 |                |       |
|                | びまん性悪性中皮腫               |       | LP1.1 <input checked="" type="checkbox"/> 胸膜 <input type="checkbox"/> 腹膜 <input type="checkbox"/> その他 |                |       |
| 病 期 分 類        | 原発腫瘍 (T)                | T1    | (T1a )                                                                                                |                |       |
|                | 所属リンパ節 (N)              | N0    |                                                                                                       |                |       |
|                | 遠隔転移 (M)                | M0    |                                                                                                       |                |       |
|                | ステージ                    | I     | (IA )                                                                                                 |                |       |
| 手 術・病 理<br>所 見 |                         |       |                                                                                                       |                |       |
| 免疫組織学的<br>検 査  | AE1/AE3                 | 陽性(+) | (細胞質)                                                                                                 | Thrombomodulin | 陰性(-) |
|                | Vimentin                | 陽性(+) | (細胞質)                                                                                                 | CEA            | 陰性(-) |
|                | Calretinin              | 陽性(+) | (核と細胞質)                                                                                               | TTF-1          | 陰性(-) |
|                | WT-1                    | 陽性(+) | (細胞質)                                                                                                 | CK5/6          | 陰性(-) |
|                | D2-40                   | 陰性(-) |                                                                                                       |                |       |
|                |                         |       |                                                                                                       |                |       |
| 既 往 歴          | 高血圧, S状結腸がん, 糖尿病, 前立腺腫瘍 |       |                                                                                                       |                |       |
| 放射線療法歴         |                         |       |                                                                                                       |                |       |
| 薬剤治療歴          |                         |       |                                                                                                       |                |       |
| 喫 煙 歴          | なし                      |       |                                                                                                       |                |       |
| 飲 酒 歴          | あり (習慣性)                |       |                                                                                                       |                |       |
| 特 記 事 項        |                         |       |                                                                                                       |                |       |