Sponsored by Princess princess pedatice oncodegy WWW. STOP Hersentumoren.nl	Tumo Central No Molecular Inform	ours of the ervous System ation Reporting Guide
Family/Last name Given name(s) Patient identifiers		Date of birth DD – MM – YYYY Date of request Accession/Laboratory number
Elements in black tex	t are CORE. Elements in grey text are N ct values O indicates single select va	ON-CORE. SCOPE OF THIS DATASET SECTION
REFER TO CLASSIFI (<i>Based on</i>	D Tables 1-3 FOR CORE ELEMENTS RE ICATION (Elements 2-38 are only red the World Health Organization Classifica	QUIRED FOR CENTRAL NERVOUS SYSTEM TUMOUR Juired for some tumours) tion of Tumours of the Central Nervous System (2021))
ADEQUACY OF SPEC	IMEN FOR MOLECULAR ASSESSMENT equate for analysis dequate for analysis (select all that apply) ion quantity ues, <i>specify</i>	ATRX ALTERATIONS ^a
Representative b those blocks best r for further study ALK/ROS1/MET/NT	Nocks for ancillary studies, specify representing tumour and/or normal tissue	BCOR INTERNAL TANDEM DUPLICATION ^a
 ○ Absent ○ Present, <i>describ</i> 	e	Other, specify
TESTING METHOD ^b Immunohistoche In situ hybridisa Next generation Other, <i>specify</i>	(select all that apply) emistry (IHC) ation (ISH) sequencing (NGS)	BRAF ALTERATIONS ^a BRAF variant Dindeterminate Absent BRAF p.V600E (c.1799T>A) variant present Other BRAF sequence variant present, specify
^a Only core for some tum ^b Repeat for each alterati	ours - refer to Tables 1-3. ion.	

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BRAF ALTERATIONS ^a continued	CDKN2A/B DELETION ^a
VARIANTS ASSESSED (select all that apply)	Indeterminate
p.V600E	Absent
Any variant in exon 15	$\stackrel{\smile}{\bigcirc}$ Homozygous deletion
Other BRAF variant, specify	 Hemizygous/heterozygous deletion
	TESTING METHOD (select all that apply)
BRAF variant continued	
	NGS
Sanger sequencing	Other, <i>specify</i>
NGS	
PCR-based method	
IHC IHC	
BRAF p.V600E expression	
 Indeterminate 	
O Negative	O None detected
 ○ Positive 	1p/19q codeletion
Other. specify	\bigcirc 1p only deletion
	19q only deletion
	O Polysomy, <i>specify</i>
BRAF rearrangement/duplication	
🔵 Absent	
Present, describe	
•	Array-based method (including methylation arrays ⁻)
	PCR/Loss of heterozygosity assay
VARIANTS ASSESSED (select all that apply)	
$\Box KIAA1549 \cdot BRAF$ fusion	Other, <i>specify</i>
$\square BDAE :: DAE1 fusion$	
$\Box \text{ Other specify}$	
TESTING METHOD (select all that apply) ISH RT-PCR Array-based method RNA-sequencing Other. specify	
V Culci, speeny	TESTING METHOD (select all that apply)
	Array-based method
19MC ALTERATIONS [®]	
○ Indeterminate	Other, <i>specify</i>
OAbsent	
$\stackrel{-}{\bigcirc}$ Present with low level gain	
Present, describe including copy number	a
	CIC ALTERATIONS"
	Indeterminate
	Absent
IESTING METHOD (select all that apply)	Present, describe
ISH	
Array-based method	
NGS	TESTING METHOD (select all that apply)
Other, <i>specify</i>	
-	
LIN28A expression (IHC) ^a	Other, <i>specify</i>
○ Negative	
O Positive	C Mathylation array bacad mathada may arayida atrana but -in-
Only core for some tumours - refer to Tables 1-3	evidence.
,	

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OAbsent	🔿 Absent
O Present, <i>describe</i>	Present, describe
TESTING METHOD (select all that apply)	
	IESTING METHOD [*] (select all that apply)
	☐ IHC
ISH	☐ ISH
NGS	
Other, <i>specify</i>	\Box Other specify
	V Journal of the spectry
EGFR ALTERATIONS ^a	
FGER amplification	FOXR2 ALTERATIONS
	O Absent
O Absent with low level gain	Present, <i>describe</i>
Present, describe including copy number	•
TESTING METHOD (select all that apply)	
	ISH ISH
Array-based method	NGS
NGS	Other, <i>specify</i>
Other, <i>specify</i>	
Absent Present, describe TESTING METHOD (select all that apply) NGS	Histone H3 gene family variants Indeterminate Negative Positive for K27M Positive for G34R or G34V Positive, for other H3 variants, specify
PCR-based method	
\Box Other specific	
	IESTING METHOD (select all that apply)
	Sanger sequencing
	NGS
	PCR-based method
EZHIP EXPRESSION (IHC)	☐ IHC
	Histone H3 K27M expression
○ Negative	
○ Positive	
	 Negative
FET ALTERATIONS ^a	OPositive
	Histone H3 G34R expression
\bigcirc Absent	
O Present describe	
	OPositive
	Histone H3 K27me3 expression
TESTING METHOD (select all that apply)	
IHC	
☐ ISH	
	U Loss of expression
C Other specify	Other, <i>specify</i>
	▼
^a Only core for some tumours - refer to Tables 1-3.	[°] Repeat for each alteration.

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IDH1/IDH2 ALTERATIONS	
OAbsent	() Absent
Present, <i>describe</i>	✓ Present, describe
•	
TESTING METHOD (select all that apply)	TESTING METHOD (select all that apply)
Sanger sequencing	☐ IHC
	☐ ISH
PCR-based method	□ NGS
	Other, <i>specify</i>
IDH1 R132H expression	
\Box Other specific	MYB, MYBL1 ALTERATIONS ^a
V Other, specify	
MARK PATHWAY AI TERATIONS	V Present, <i>describe</i>
	h
	TESTING METHOD ["] (select all that apply)
VINEI IOSS, <i>aescribe</i>	IHC
	☐ ISH
For BRAF-KIAA1549 alterations refer to BRAF	Other, <i>specify</i>
\bigcirc Positive for other MAPK alteration, describe	
	MVC GENE FAMILY AMDI JEICATION (MVC and/or MVCN) ^a
TESTING METHOD ^b (select all that apply)	Indeterminate
□IHC	Absent
	Absent with low level gain
	Present, describe including copy number
Other, specify	
	TESTING METHOD ^b (select all that apply)
METHYLOME PROFILING ^a	Array-based method
Classifier (e.g., Heidelberg Version Methylation class	
Brain Tumour Classifier) (e.g., 12.5)	
	U Indeterminate
	Absent
	Present, describe including copy number
MGMT promoter status	
	TESTING METHOD (select all that apply)
Methylated	☐ IHC
Most informative copy number variations, specify	y 🗌 ISH
	Other, <i>specify</i>
^a Only core for some tumours - refer to Tables 1-3.	
^b Repeat for each alteration.	

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PITUITARY HORMONES AND TRANSCRIPTION FACTORS IMMUNOHISTOCHEMISTRY ^a	SHH PATHWAY ALTERATIONS ^a	
Tumour cells are reactive for (select all that apply)		
\bigcirc Indeterminate	Absent	
\square Prolactin	Present, <i>describe</i>	
Human growth hormone		
☐ β-TSH		
β-FSH	TESTING METHOD ^b (select all that apply)	
β-LH	☐ IHC	
🗌 Alpha subunit	☐ ISH	
ACTH	□ NGS	
PIT1	Other, <i>specify</i>	
TPIT		
SF1		
Other, <i>specify</i>		
	SMARC FAMILY ALTERATIONS ^a	
	SMARCA4/BRG1 alteration	
PRC2 ALTERATION ^a		
	Absent	
\bigcirc Absent	Present, describe sequence variant(s)	
O Present, describe	v	
▼		
	TESTING METHOD (select all that apply)	
TESTING METHOD (select all that apply)	Sanger sequencing	
IHC IHC	□ NGS	
ISH	PCR-based method	
□ NGS	Other, <i>specify</i>	
Other, <i>specify</i>		
•		
	BBG1 loss of expression (IHC)	
PRKAR1A ALTERATION		
Indeterminate	\bigcirc Loss of nuclear expression	
Absent		
Present, <i>describe</i>	SMARCB1/INI1/SNF5 alteration	
· ·	○ Indeterminate	
	OAbsent	
IESTING METHOD (select all that apply)	Present, <i>describe sequence variant(s)</i>	
	▼	
$\Box \text{ Other specify}$	TESTING METHOD (select all that apply)	
	Sanger sequencing	
	□ NGS	
	PCR-based method	
PRKCA ALTERATION ^a	Other, <i>specify</i>	
	▼	
\bigcirc Absent		
O Present, <i>describe</i>	INI1 (BAE47) loss of expression (IHC)	
▼		
TESTING METHOD (select all that apply)	Intact nuclear expression	
☐ IHC	U Loss of nuclear expression	
ISH ISH	^b Repeat for each alteration.	
□ NGS		
Other, <i>specify</i>		
▼		
^a Only core for some tumours - refer to Tables 1-3.		

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STAT6 ALTERATIONS ^a	TTF1 EXPRESSION (IHC) ^a
STAT6 expression (IHC)) Indeterminate
○ Indeterminate	○ Negative
Absence of nuclear expression	OPositive
O Positive nuclear expression	
STATE rearrangement	
	⊖ Absent
Dresent describe	Present, <i>describe</i>
V Tresent, describe	
	TESTING METHOD [®] (select all that apply)
TESTING METHOD (select all that apply)	
▼ Other, spechy	↓ Other, <i>speciry</i>
TERT PROMOTER ALTERATIONS ^a Indeterminate Absent Hotspot variant (C228T or C250T)	YAP1 REARRANGEMENT ^a Indeterminate Absent Present, describe
Other sequence variant, <i>specify</i>	· ·
▼	
	IESTING METHOD (select all that apply)
TESTING METHOD (select all that apply)	
Sanger sequencing	$\Box \text{ Other specify}$
NGS	▼
PCR-based method	
Other, <i>specify</i>	
	ZFTA REARRANGEMENT ^a
	🔘 Absent
TP53 ALTERATIONS [®]	Present, <i>describe</i>
TP53 variant	
OAbsent	TESTING METHOD (select all that apply)
Present, <i>describe</i>	☐ IHC
	☐ ISH
	□ NGS
EXONS ANALYSED	Other, <i>specify</i>
Exons 5-8	•
○ All exons	
Other, <i>specify</i>	L1CAM expression (IHC)
	Negative
TESTING METHOD (select all that apply)	O Positive
Sanger sequencing	RELA rearrangement
NGS	
PCR-based method	Absent
IHC IIIC	Present, <i>describe</i>
p53 expression	•
O Negative or rare, lightly positive cells	
Intermediate (intermediate numbers of predominantly lightly positive calle)	TESTING METHOD (select all that apply)
Ignuy positive cells)	☐ ISH
Other energies	NGS
Utner, <i>speciry</i>	Other, <i>specify</i>
^a Only core for some tumours - refer to Tables 1-3.	^D Repeat for each alteration.

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OTHER IMMUNOHISTOCHEMISTRY FINDINGS ^a				
○ None identified				
Present, record test(s), methodology and results				
^a Only core for some tumours - refer to Tables 1-3.				
OTHER MOLECULAR FINDINGS				
None identified				
Present, record test(s), methodology and results				