720 Twentieth Street South, Suite 330 Birmingham, Alabama 35294-0005 Phone: (205) 934-5562 Fax: (205) 996-2929

www.uab.edu/medicine/genetics/medical-genomics-laboratory

UAB MGL Accession

For MGL Lab Use Only

	Received:	Reviewed:	Accession:	Billing:	Other:
Initials:					
Date:					
Comment:					

Important Notes

-This form must accompany all specimens received -Billing information (page 5) must be included Additional information is available online at www.ua			-All specimens received must include <u>two</u> patient identifiers and <u>collection date</u> -Testing must be ordered by a qualified clinician					
	Additi	onal information		isition Form		edicai-ge	enomics-iaborat	cory
	Patier	nt Informatio	·			Ord	ering Physic	ian:
Sample Collected: (MM/E				□ Please chec	k box if phy		ould receive rep	
				Name: NPI:				NPI:
Legal Name: (First)		(MI)	(Last)					
				Institution:				
DOB: (MM/DD/YY)	DOB: (MM/DD/YY) MRN:			Address:				
Address:				City:			State:	Zip:
City:		State:	Zip:	Country:		Phone		
Sex at Birth:		SSN:		Please check presult delivery		□ Fax:		
Parent or Guardian name	(if minor)	:		□ Email:				
	Referrir	ng Lab/Hospit	tal:			Addit	ional Report	ts to:
□ Please check box if lab/hospital should receive report directly			Name:					
Name:	Name:			Institution:				
Institution:				Address:				
Address:				City:			State:	Zip:
City:		State:	Zip:	Country:		Phone	<u> </u> :	
Country:	Phone:			Please check p		☐ Fax:		
Please check preferred result delivery:	□ Fax:			result delivery	/ :			
□ Email:								
			Previous Te	esting Histor	γ			
Charle III that and he	☐ Patie	ent or family m	ember is pregnant. LMP:		-	nt has h	ad chemothe	rapy in the past 6 months
Check all that apply:	☐ Patie	ent has had a b	one marrow transplant		☐ Infectious diseases (AIDS, Hepatitis, etc.)			Hepatitis, etc.)
		На	as this patient or relatives ha	ad previous test	ting? □ Ye	s 🗆 No		
Name/Relationship to pa	tient:			Test/Variant/Lab:				
Name/Relationship to pa	tient:			Test/Variant/Lab:				
			Informe	d Consent				
	test(s) req	uested with the	enefits, limitations, and implica patient/guardian and I have ar e maintained.	ations of genetic	_			

Name: (First) (MI)	(Last)	DOB: (MM/DD/YY)				
Lymphocyte/Whi	te Blood Cell-based Compr	ehensive Testing via Next-Gen Sequencing				
☐ RUSH Analysis: Testing completed within 15 working days of receipt of sample (Additional \$600 RUSH fee applied; only available for tests on this page)						
NF1/Legius syndrome and Other RAS	opathy Related Conditions	NF2/Schwannomatosis/Meningiomatosis				
□ NF1-NG: NGS and Del/Dup: NF1 only□ NFSP-NG: NGS and Del/Dup: NF1 and SP□ NNP-NG: NGS: 17 genes (no NF1): BRAF	, CBL, HRAS, KRAS, LZTR1,	☐ NF2-NG: NGS and Del/Dup: <i>NF2</i> only ☐ SCH-NG: NGS: 3 genes: <i>LZTR1</i> , <i>NF2</i> , and <i>SMARCB1</i> ; and Del/Dup: <i>NF2</i> , <i>LZTR1</i> , and <i>SMARCB1</i>				
MAP2K1, MAP2K2, NRAS, PPP1CB, PTPN11 SOS1, SOS2, and SPRED1; and Del/Dup: SPF□ RAS-NG: NGS: 18 genes: BRAF, CBL, HRA	RED1 and LZTR1 NS, KRAS, LZTR1, MAP2K1,	☐ MEN-NG: NGS: 4 genes: NF2, SMARCB1, SMARCE1, and SUFU; and Del/Dup: NF2 and SMARCB1				
MAP2K2, NF1, NRAS, PPP1CB, PTPN11, RAF		Peripheral Nerve Sheath Tumor Testing				
SOS2, and SPRED1; and Del/Dup: NF1, SPRE	-D1, and L2TK1	☐ PNT-NG: NGS: 6 genes: NF1, NF2, KRAS, LZTR1, PTPN11 and SMARCB1; and Del/Dup: NF1, NF2, LZTR1, and SMARCB1				
McCune-Albright S	yndrome	Rhabdoid Tumor Predisposition Syndrome				
☐ GNAS-NG: NGS: GNAS exons 8 and 9 onl	y	☐ RT-NG: NGS: SMARCB1 and SMARCA4; and Del/Dup: SMARCB1 only				
Tuberous Sclerosis	Complex	Capillary Malformation Arteriovenous Malformation Syndrome				
☐ TSCP-NG: NGS and Del/Dup: TSC1 and TS	SC2	☐ RASA-NG: NGS: and Del/Dup: <i>RASA1</i> and <i>EPHB4</i>				
	Additional In	formation				
Test Description Key: Next Generation Sequencing (NGS) Deletion/Duplication analysis (Del/Dup) For additional testing options via tumor/biopsy, please see page 3 of this order form. Please contact the lab via phone (205) 934-5562 or via email at medgenomics@uabmc.edu if you have any questions when completing this form. For additional information, visit our website at www.uab.edu/medicine/genetics/medical-genomics-laboratory						
	Important points of consideration for testing					
The average coverage for all of our panels is $>1600x$. Specifically for the <i>NF1</i> gene, the NGS approach covers $>98\%$ of the <i>NF1</i> coding region at $\geq 350X$ and $99\% \geq 200X$, allowing detection of very low level mosaicism, down to 3-5% variant allele fraction respectively. For all other genes on our panels, the NGS approach covers an average of 99% at $\geq 200X$. Remaining regions are covered at $\geq 30X$. However, for patients with segmental/mosaic presentation, deep coverage in lymphocyte cells may be insufficient to identify the underlying gene change. Testing the affected tissue(s) may be necessary to confirm a diagnosis. Please see page 3 for our tumor/biopsy-based testing options.						
Please note: For patients with an ongoing pregnancy who require comprehensive NF1 testing. "NF1-R" is recommended due to the sensitivity and fast						

Specimen Requirements Accepted Specimens Specimen Information: □ Peripheral Blood (EDTA); # Tubes: _____ Specimen requirements vary based on test requested; please see our website for more details. □ Extracted DNA; Source: _____ ☐ Saliva (kit must be provided by MGL) -Blood: 3-6ml EDTA (receipt within one week of collection) -Saliva: OGR-575 DNA Genotek (kits are provided upon request) □ Other, please describe: _____ -DNA: extracted from lymphocyte cells, a minimum of 25ul at 3µg, O.D. Please note: failure to provide a date of collection can delay value at 260:280nm ≥1.6 (must be extracted in a CLIA or equivalent release of results certified lab) -Fibroblast cells Sample Collected Date (required): _

turnaround time of this test (please see page 4 for this option).

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Name: (First) (MI)	(Last)		OB: (MM/DD/YY)			
	Tumor/Biopsy-based C	Comprehensive Testing				
☐ Please check h	ting. Blood Collected: (MM/DD/YY)					
NF1/SPRED1 on biopsied CAL *CURRENTLY UNDER MORA		NF2/Schwannomatosis ☐ NF2-NG: Fresh/Frozen Tumor or Tumor Block for NGS and Del/Dup:				
**Please contact the laboratory <u>at least one week</u> in advance of the biopsy before ordering this test as media must be provided in advance		NF2 only ☐ SCH-NG: Fresh/Frozen Tumor or Tumor Block for NGS and Del/Dup: NF2, LZTR1, and SMARCB1				
☐ NF14C: Sanger(RNA) and Del/Dup: NF1 SPRED1) on biopsied CALs ☐ NF14N: Sanger(RNA) and Del/Dup: NF1		Rhabdoid Tumor Predisposition Syndrome RT-NG: Fresh/Frozen Tumor or Tumor Block for NGS SMARCB1 and SMARCA4; and Del/Dup: SMARCB1 only				
RASopathy Related		Meningiomatosis				
☐ NNP-NG: Fresh/Frozen Tumor for NG:	S (<u>no <i>NF1</i></u>) or Tumor Block for	☐ MEN-NG: Fresh/Frozen Tumor or Tumor Block for NGS: NF2, SMARCB1, SMARCE1, and SUFU; and Del/Dup: NF2 and SMARCB1				
NGS: BRAF, CBL, HRAS, KRAS, LZTR1, MA		Peripheral Nerve Sheath Tumor Testing				
PTPN11, RAF1, RASA2, RIT1, SHOC2, SOS1, SOS2, and SPRED1; and Del/Dup: SPRED1 and LZTR1 RAS-NG: Fresh/Frozen Tumor or Tumor Block for NGS: BRAF, CBL,		☐ PNT-NG: Fresh/Frozen Tumor for NGS: NF1, NF2, KRAS, LZTR PTPN11 and SMARCB1; and Del/Dup: NF1, NF2, LZTR1, and SMA				
HRAS, KRAS, LZTR1, MAP2K1, MAP2K2, N			Tuberous Sclerosis Complex			
RAF1, RASA2, RIT1, SHOC2, SOS1, SOS2, and SPRED1; and Del/Dup: NF1, SPRED1, and LZTR1		☐ TSC-NG: Fresh/Frozen Tumor or Tumor Block for NGS and Del/ Dup: <i>TSC1</i> and <i>TSC2</i>				
	Additional I	nformation				
<u>Test Description Key:</u> Next Generation Sequencing (NGS)	Please contact the lab via phone (2)	,	email at medgenomics@uabmc.edu if you have any			

Sanger Sequencing (Sanger) Deletion/Duplication analysis (Del/Dup)

For additional information, visit our website at www.uab.edu/medicine/genetics/medical-genomics-laboratory

Important points of consideration for testing

- The MGL offers next generation sequencing testing options that provide the ability to identify variants (indels and substitutions) as low as 3% of the alleles, depending on coverage in the regions of interest.
- NF1/SPRED1 biopsy-based testing is considered the "gold standard" approach for confirming a diagnosis of mosaic/segmental NF1 or Legius Syndrome.
- A minimum of two biopsies is required for NF1 testing. Two or more tumors are suggested for our other testing options. There are no additional fees associated with testing on additional biopsy specimens.
- When proceeding with tumor-based testing for NF2, test code "SCH-NG" or "SCHP" (NF2, SMARCB1, and LZTR1) is suggested unless the patient has findings unique to NF2.

Specimen Requirements						
Accepted Specimens	Specimen Information:					
Specimen requirements vary based on test requested; please see our website for more details.	□ Frozen □ Fresh					
	□ Paraffin Curls □ Paraffin Block					
-CALs or Neurofibromas: require special media transport (kits are provided upon request, to be arranged at least one week in advance of procedure)	□ Extracted DNA; Source:					
-Fresh/Frozen Tumors: please submit a pathology report; for additional	☐ Biopsy-CAL-spot; # biopsies:					
requirements, see tumor submission checklist -Formalin-Fixed Paraffin-Embedded Tumors (Tumor Block): please submit a	□ Biopsy-Neurofibroma; # biopsies:					
pathology report; blocks are preferred to curls, when available; for additional	Please note: failure to provide a date of collection can delay release of results					
requirements, see tumor submission checklist	Tumor Collection Date (required):					

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20 Twentieth Street South, Suite 330 Phone: (205) 934-5562 rmingham, Alabama 35294-0005 Fax: (205) 996-2929 www.uab.edu/medicine/genetics/medical-genomics-laboratory

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Name: (First) (MI)	(Last)		DOB: (MM/DD/YY)			
	Sanger Testing from	n Blood/Saliv	va/DNA			
NF1/Legius syndrome and Other RASo	pathy Related Conditions	Medium Chain Acyl-CoA Dehydrogenase Deficiency (MCADD)				
☐ NF1-R: Sanger and Del/Dup: <i>NF1 (RNA)</i>		☐ MCD1: Targeted analysis of exon 11 and, if needed, reflexive full gene				
☐ NFSP-R: Sanger and Del/Dup: NF1 (RNA)	and SPRED1 (gDNA)		/ Sanger: ACADM			
Von Hippel-Lind	au	А	utosomal Recessive Polycystic Kidney Disease			
☐ VHL1: Sanger and Del/Dup: VHL		☐ PKDL: Linka	nge Analysis for informativity			
PTEN-Related Diso	rders					
☐ PTEN1: Sanger and Del/Dup: <i>PTEN</i>		☐ PKDPL: Pre	natal Linkage (see Prenatal Specimen Requirements)			
Fragile X syndro	me	FATHER: Na	me and DOB (mm/dd/yyyy)			
☐ FRX: PCR and, if needed, reflexive confir Southern blot analysis: <i>FMR1</i>	matory testing by	MOTHER: <u>Na</u>	ame and DOB (mm/dd/yyyy)			
	Known Vai	riant Testing				
☐ KT2: Targeted detection of a specific, pr and/or FISH analysis (Complete Previous T		ant in any gene t	that is available at our lab by Sanger sequence, MLPA,			
☐ KT2-NG: Targeted testing for a known voor alleles (Complete Previous Testing History		ne alleles and de	etection of mosaicism for a variant present in at least 3%			
☐ RT2: Targeted RNA-based testing for VO	US found during Next Generat	ion Sequencing (Complete Previous Testing History: Page 1)				
☐ PT2: Prenatal testing (see Prenatal Speci			g History: Page 1) udies (required if not previously tested)			
	Other (unlisted option **Please contact lab before					
	Additional	Information				
Test Description Key: Next Generation Sequencing (NG) Sanger Sequencing (Sanger) Deletion/Duplication analysis (Del/Dup)	questions when completing this	s form.	or via email at medgenomics@uabmc.edu if you have any ww.uab.edu/medicine/genetics/medical-genomics-laboratory			
	Specimen R	equirements				
Accepted Prenatal Sp	ecimens		Prenatal Specimen Information:			
Specimen requirements vary based on test requ	ested; please see our website	□ Amniotic fluic	□ Direct CVS (cleaned)			
for more detailsDirect CVS: minimum 10 mg cleaned villi		□ Cultured amn	iocytes Cultured villus cells			
-Direct amniotic fluid: minimum 10 ml fluid		Location of ba	ck-up culture (required):			
-Cultured CVS: Two T25 flasks (>70% confluent		Sample Collec	ted Date (required):			
-Cultured amniocytes: Two T25 flasks (>70% c Accepted Specin	· ·	·	Specimen Information:			
Specimen requirements vary based on test requ		D:_b Dl-				
for more details.	esteu, piease see our website		ood (EDTA); # Tubes:			
-Blood: 3-6ml EDTA (must arrive within 60-72 ho	ours of collection for	□ Extracted DN				
RNA-based tests) -DNA: extracted from lymphocyte cells, a minim	num of 25ul at 3ug O.D. value at	□ Other, please				
260:280nm ≥1.6 (must be extracted in a CLIA or	, 0.	Please note: fail	ure to provide a date of collection can delay release of results			
-Sperm (for KT2-NG only): Fresh, sterile seme bank/cryobank facility		Sample Colle	cted Date (required):			

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mingham, Alabama 35294-0005 Fax: (205) 996-2929 www.uab.edu/medicine/genetics/medical-genomics-laboratory

Phone: (205) 934-5562

UAB MGL Accession

Name:	(First)	(MI)	(Last)		DOB: (MM/DD/YY)				
	Billing								
	☐ Please hold sample until further notice from the ordering facility.								
			Important	Information					
requesting billing m	By completing this form, you agree that you have discussed the MGL's billing policies with your patient. Credit card information MUST be provided with sample submission for self-pay clients. Please note: If you are paying via self-payment or requesting a benefits investigation, there will be a 3-5 working day delay on the initiation of your test. Requests for cancellation, test change, or billing method change of ongoing testing must be submitted to the laboratory within three working days of specimen arrival. Individuals or institutions submitting requests after the three working day window may still incur charges for the cost of testing. Full information on the billing policies is available at www.uab.edu/medicine/genetics/medical-genomics-laboratory								
☐ Institutio	onal Bill								
		☐ Please ch	eck box if billing instit	ution should recei	ive report dire	ectly			
Institution:					PO# (if applica	able):			
Address:									
City:				State:		Zip:			
Contact (Name	e and Title):					Preferred method of contact: ☐ Email ☐ Phone			
Email:			Phone:			Fax:			
☐ Self-Payr	nent Enclosed *PLEASE	ENSURE ALL IN	FORMATION IS LEGIBLE*	k					
		/isa	☐ MasterCard	☐ Discover	☐ Americ	an Express			
Name as it app	ears on card:								
Card Number:				Expiration: (MM	/YY)	3-digit Security Code:			
Cardholder's	Signature:					Preferred method of contact: ☐ Email ☐ Phone			
Email:						Phone:			
	Party Insurance Comp								
Please include a copy of the pre-approval statement or provide the approval number if payment has been pre-authorized in advance of shipment. Insurance Carrier:									
Insurance pre-verification/authorization previously performed? 🗆 Yes 🗆 No If yes, approval number is required:									
☐ Please checl	k box if you would <u>not</u> like ir	nsurance pre-ve	rification/authorization t	o be performed by	the MGL.				
		Please send	a legible copy of the pa	ntient's insurance ca	rd, front and ba	ack.			
ICD-10 Codes	(required):				=				
Important Considerations for Insurance Billing									

For a list of contracted insurance companies, please visit our website or call our billing coordinator at 205-934-5523. As insurance prices are not listed, please call the billing coordinator to request a quote, if needed.

The MGL will contact the insurance provider to inquire regarding the CPT code coverage for all samples submitted for insurance payment. The healthcare provider will be contacted with the copay/deductible and also in cases where the insurance provider denies coverage of the requested codes or supporting documents are required from the provider to confirm coverage. The ordering provider/clinician's office is responsible for obtaining prior authorization, if it is required. This service is not offered for prenatal samples.

Please note: An insurance verification is not a guarantee of payment. Out of State Medicaid is not accepted under <u>any</u> circumstances. All RUSH fees must be paid up front. By completing this form, you agree that you have discussed the MGL's billing policies with your patient.

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www.genetics.uab.edu/medgenomics

Informed Consent for Genetic Testing

Tel: (205) 934-5562

Fax: (205) 996-2929

This form does not need to be returned to the Medical Genomics Laboratory if Informed Consent portion of the Test Request form has been signed.*

nereby consent for:		
Name:	DOB:	Gender:

To participate in genetic testing for the following RNA/DNA-based cascade of tests ordered by my physician at the University of Alabama at Birmingham (UAB) Medical Genomics Laboratory (MGL):

Genetic Tests:

I understand that:

- 1. Any biological samples submitted for genetic testing (e.g., blood, cheek cells, saliva, amniotic fluid, chorionic villi, tumor, and/or tissue) will be removed from me and/or my minor child(ren) using standard techniques which carry their associated risks.
- 2. Any samples obtained will be used for the purpose of attempting to determine if I and/or members of my family carry genetic changes in the disease genes ordered by my physician.
- 3. The genetic tests performed at the MGL are the most sensitive developed and are highly specific. However, sensitivity and specificity are test-dependent. Additional testing details and the specific detection rates of each test can be found at www.genetics.uab.edu/medgenomics.
- 4. The following are possible outcomes for the specific tests listed above:

Positive	Unknown Significance	Negative
This is an indication that I may be predisposed to or have the specific disease, or condition tested. Further testing may be needed to confirm the diagnosis.	There may be a possibility that the laboratory findings will be ambiguous or of unknown significance. This may require additional testing from me or my family members. In rare circumstances, findings may be suggestive of a condition different than the diagnosis that was originally made.	genetic condition even though the genetic test results are negative. Due to limitations in technology and incomplete knowledge of genes, some changes in RNA/DNA or protein

- 5. In other cases, the RNA/DNA test is unable to identify an abnormality although the abnormality may still exist. This event may be due to incomplete knowledge of the gene structure or an inability of current technology to identify certain types of mutations in the gene. When clinically necessary, the MGL may use a method called linkage analysis. This method is not a direct test, but will report the probability that you and/or family members have an inherited disease or disorder. In some families, the markers used in linkage analysis may be uninformative. If so, linkage testing cannot provide results for the family members in question.
- 6. The RNA/DNA analysis performed by the MGL is specific for the genetic test listed above and in no way guarantees my health or the health of my living or unborn children. The MGL cannot be responsible for an erroneous clinic diagnosis made elsewhere.
- 7. The tests performed at the MGL are expanded and improved continuously. The tests offered are not considered research but are considered the best and newest laboratory service that can be offered. Genetic testing is complex and utilizes specialized materials so there is always some very small possibility that the test will not work properly or that an error will occur. There is a low error rate (perhaps 1 in 1000 samples) even in the best laboratories. Additionally, in very rare instances, this test may reveal an important genetic change that is not directly related to the clinical reason for ordering this test. This would be considered an incidental finding. The MGL reserves the right to report these incidental findings if they are clinically relevant to the patients and/or their families In such instances, these results will be discussed with my healthcare provider and additional testing may be recommended. My signature acknowledges my voluntary participation in this test, but in no way releases the laboratory and staff from the MGL from their professional or ethical responsibility to me.
- 8. The MGL does not return DNA samples to individuals or physicians. While the MGL is not a specimen banking facility, in some cases it may be possible for the laboratory to reanalyze my remaining DNA upon request. The request for additional studies must be ordered by my referring physician/counselor and there will be an additional fee.

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- 9. An aliquot of my DNA/RNA may be used for validation, educational and/or research purposes. For some molecular genetic tests, a synopsis of clinical information and test results may be included in HIPAA-compliant, de-identified public databases as part of the National Institute of Health's effort to improve diagnostic testing and our understanding of the relationships between genetic changes and clinical symptoms. If I would like to opt out of participation, I can contact the MGL via email at medgenomics@uab.edu or calling the laboratory at 205-934-5562.
- 10. Because of the complexity of genetic testing and the important implications of the test results, results will only be reported to me through a physician, genetic counselor, or a certified genetics professional. The results are confidential to the extent allowed by law. They will only be released to other medical professionals or other parties with my written consent or as otherwise allowed by law. Participation in testing is completely voluntary.
- 11. **For Prenatal Testing:** If prenatal diagnosis is being performed, fetal cells obtained by chorionic villus sampling or amniocentesis will be used. In order to perform accurate prenatal diagnosis, biological samples are required for the fetus as well as from the affected individual in the family and from the biological mother.
- 12. I and/or my physician/counselor have signed the informed consent portion of the test order form indicating that we have discussed the items on this document and I will also receive a copy of this consent form.

Subject's Signature	Date	Physician's Signature	Date
Please Print Subject's Name		Please Print Physician's Name	
Assent of Parent	Date	Genetic Counselor's Signature	Date
Assent of Child	 Date	Please Print Genetic Counselor's I	Name



MEDICAL GENOMICS LABORATORY: NF1/SPRED1 & RASOPATHIES PHENOTYPIC CHECKLIST FORM

U/B					
	an:			 Date of Exar	m / /
	C INFORMATION			Date of Exal	
Gender: Male		Date of	Birth://	_	
Ethnicity: Mother: Father:	☐ White		ve American 🗌 His ve American 🗌 His		
DIAGNOSIS					
Clinical diagnosis	☐ Spinal NF☐ NF Noonan☐ Segmental NF☐ Noonan syndi☐ Noonan syndi☐ Noonan syndi	rome rome with multiple cutaneous syndror	lentigines (LEOPAI ne (CFC)	☐ Legius synd☐ Isolated ne☐ Single NF1	ultiple CAL spots-only drome eurofibromas feature
	>6 CAL spots >5mm, p >2 neurofibromas or 1 Axillary or inguinal frec First degree relative dia loes patient fulfill NIH dia	oostpubertal >15m plexiform NF kling agnosed with NF1	m	glioma sch nodules inct osseous le	esion
]Sporadic (proband is a]Yes □ No □ Unknow		milial (proband is a	"non-founder")	Unknown
GENERAL INFO	<u>ORMATION</u>				
Height: cm ([☐ Short stature)	Head circumfere	nce: cm (Macrocephaly) Weight: kg
Clinical Feature	<u>es</u>				
Craniofacial: [Absent Macrocephaly Palpebral ptosis Midface hypoplasia Other:	Low	nown mporal narrowing posterior hairline t / webbed neck	☐ La	ypertelorism ow set / rotated ears ownslanting palpebral fissures
	se provide detail on size] Absent] Deep palmar/plantar ci] Multiple nevi / lentigine	□ Unkr eases □ Dry/l		☐ Ha	mentation areas on figure page 3 air abnormalities ther
[[Skin fold G A	seneral impression on the ☐ typical well-defined sm ☐ irregular margins, rage	e borders of the Canooth borders		□ >100 ery faint, etc):	

MEDICAL GENOMICS LABORATORY: NF1/SPRED1 & RASOPATHIES PHENOTYPIC CHECKLIST FORM

U/B

Lisch nodules:	None	Unknown	Left	☐ Righ	t			
Neurofibromas: Cutaneous neurofibromas (soft nodules that project above the skin): Histopathologically confirmed: Y / N □ 0 □ 1 □ 2-6 □ 6-99 □ 100-500 □ >500 Intradermal neurofibromas (soft depression within the skin w/ pinkish overlying discoloration): Histopathologically confirmed: Y / N □ 0 □ 1 □ 2-6 □ 6-99 □ 100-500 □ >500 Subdermal neurofibromas (firm nodules palpable underneath the skin): Histopathologically confirmed: Y / N □ 0 □ 1 □ 2-6 □ 6-99 □ 100-500 □ >500 Plexiform neurofibromas: Histopathologically confirmed: Y / N □ Nage								
☐ None ☐ Heat ☐ Abdet Spinal neurofib Histopa	d Neckomen Pelvi romas (arising from athologically confinown Absenteral bilat	☐ Visible from o ☐ With hyperpion ☐ Trun ☐ Gen ☐ the spinal dorsal no ☐ irmed: Y / N Ent by MRI	gmentation uk [ital area [erve root): If Presen	L Arm R Arm present, please	thout hyperpigmentation L Hand L Leg R Hand R Leg provide detail on figure pa			
_					RI, asymptomatic			
☐ MPN ☐ Phec ☐ schv		☐ JMML ☐ Colonic polyp ☐ meningioma ☐ Other, specify	s [☐ Rhabdomyos ☐ Lipoma ☐ juvenile xanth				
☐ Bond ☐ pect	ent g bone dysplasia e cysts us excavatum ad chest / telethelia	☐ Unknown ☐ Pseudarthros ☐ scoliosis ☐ pectus carina ☐ Other:		Sphenoid win Dysplastic ve Cubitus valgu	rtebrae			
<u>Cardiovascular</u> :	☐ Absent ☐ Present:	Unknown Hypertension Moya moya Arrhythmia Atrial septal of ECG anomali Unknown	[lefect	☐ Pulmonary va	cardiomyopathy eptal defect nomaly	;		
Development:	☐ Normal for ag ☐ Gross Motor I ☐ Hyperactivity ☐ Other:	Delays	☐ Fine M ☐ Learnir	d for age otor Delays ng disability cale, V	☐ ADD ☐ Spe	pertonic ech Delays am not done ance		

MEDICAL GENOMICS LABORATORY: NF1/SPRED1 & RASOPATHIES PHENOTYPIC CHECKLIST FORM



Education: ☐ Too young for school ☐ HS completion	☐ At or above age level ☐ College graduate	☐ Below age level ☐ Higher degree	Unknown
Hematological: ☐ abnormal hemostasis	☐ Factor XI deficiency	☐ Other:	Unknown
Segmental NF phenotype: ☐ Absent ☐ Possible Please indicate location/size of pigmentary lesions and/or neurofibromas			
The second secon	Ne CA	dicate size and locatio eurofibromas AL-spots eckling yperpigmented region	n of
Please indicate location of spinal tumors (if prese	ent)	Additional com	ments/remarks:
C1 C2 C4C3 C5C6 C7 T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 L1 L2	-Thoracic nerves		

Sacral

Coccygeal nerve