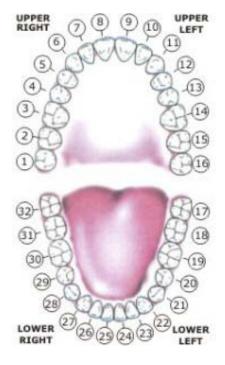
Multiple Osteochondromas (MO) previously known as Hereditary Multiple Exostoses (HME) or Multiple Hereditary Exostoses (MHE) is relatively rare disorder associated with formation of bone outgrowths at multiple sites in the skeleton. The presence of dental problems has been communicated to us by some MO patients, but as far as we know, there are no medical data published that would confirm this observation. As problems with teeth might severely affect not only the self esteem but also general health, hence we recognize that dental health in MO patients needs to be investigated.

With the support and collaboration of <u>Pancras Hogendoorn</u>, <u>M.D.</u>, <u>Ph.D.</u> and <u>Malgorzata Wiweger</u>, <u>Ph.D.</u> from the Leiden University Medical Center(LUMC) The Netherlands a questionnaire has been designed that could be answered without need of seeing any dentist or other medical professionals. We hope that this survey will contribute to better understanding of the MO disorder and improve the quality of care given to MO patients.

All Support groups and individuals who suffer from MO are invited to participate in this study by answering the questionnaire. In order to reach as many MO patients as possible and still be able to manage the project researchers from LUMC decided to place an on-line survey on the MHE Research Foundation website located on an encrypted secure webpage. All responses will be collected by Mrs. Sarah Ziegler (Vice President of the MHE Research Foundation, National Director of Research & Coordinator of Clinical Information, Executive Director of the National MHE Research Registry), encoded in order to keep anonymity /confidentiality of the respondents and forwarded to the team of researchers at the LUMC for analyses. The research team aims to make the results publicly available in a form of an article published in a scientific journal, so basic researchers; medical professionals and people affected by MO will be able to read the results.

As a quick reference a picture of the teeth has been placed on this page.



Please click and fill in the a		-		case.	
1. Date of birth, Year Have you started puberty? age of 21 years old)	Month No Y	Da Yes	•	question if the	e respondent is under the
	story of MO Yes Yes	on your:			
3. Do you have any brother	rs or sisters v	who have be	en diagnosed with	MO? If yes ple	ease fill in answer.
4. Were you diagnosed with	h MO or any	y other term	used for this diseas	se? No	Yes
5. Have you been genetical If you have been genetical! NO mutation was found? NA mutation in the <i>EXT1</i> generated A mutation in the <i>EXT2</i> generated I do not know the results of	y tested for I To ne was found ne was found	MO, please Yes d No d No	Yes click the answer that Yes Yes Yes	at describes yo	ou situation:
6. If your mutation was fou information would be given	-		* -	ocation please	give details (this
7. How do you consider yo Severely affected,		•	Not aff	ected	
8. Have you been diagnose. If yes please give more deta	•	other chronic	e diseases or disorde	ers? No	Yes
9. Do you have any osteoch Upper jaw No Yes If yes please give more deta		exostoses/bo	ony bumps in your j	aws/mouth?	

Lower jaw No Yang Yang Yang Yang Yang Yang Yang Yang	es details.		
10. How often do you s	ee a dentist?		
•	ts covered by insurance? N	o Yes	
•	·		,
You can refer to picture			
Upper jaw #	Lower jaw #	:	
13. How many sound at needed to be done now Upper jaw #			meaning no fillings or dental work done or
14. Have you had any to Upper jaw # If you had teeth remove	eeth removed? Lower jaw # ed, how many for what reas		
•	rmed or displaced teeth? No.g. extra/missing, buckles, f		Yes
b.) Out of line? No Details	Yes		
c.) Other (please indica	te)		
16. Did your dentist eve	er refer to "abnormal ename	el"? No	Yes
17. How often do you e Never	xperience toothache? Sometimes	Often	
18. Do you have bleedi	ng gingival (gums)? No	Yes	

19. Have you been told by your dentist you have Gingivitis? No Yes
20. Any other dental issues?
21. Any other comments:
If possible please send copies of photos and dental x-rays to Sarah Ziegler Email SarahZiegler@MHEResearchFoundation.org or Postal mail Attention Sarah Ziegler 149-34 16th Road Whitestone, NY 11357
Respondents name:
Name of parent or guardian if this questionnaire is being submitted for a minor: Email address:
Your home mailing address:
Your phone number and or cell phone number:
I understand all personal identifiers/contact information will be removed and coded in order to keep my anonymity / confidentiality before responses are sent to the Leiden University Medical Center for analyses. Yes
I understand my personal identifiers/contact information will remain solely with the MHE Research Foundations National MHE Research Registry. I understand my personal identifiers/contact information will not for any reason be given/transferred without my written consent. Yes
May Sarah Ziegler contact you on behalf of the Leiden University Medical Center with additional questions? No Yes