

**Sunday May 13, 2018**

Faculty dinner- informal dinner and preparation for course

<b>Monday May 14, 2018</b>	
<b>09:00-09:10</b>	Welcome, introduction of faculty, Learning objectives Wouter van Furth
<b>CHORDOMA general considerations in chordoma treatment</b>	
<b>9:10-9:30</b>	Pathology: is subclassification necessary? - Judith Bovee
<b>9:30-9:50</b>	Radiology: how to identify local recurrence? - Roberto Maroldi
<b>9:50 - 10:00</b>	Discussion - Wouter van Furth
<b>10:00-10:20</b>	Break
<b>10:20-10:40</b>	Radiation: routinely neo-adjuvant proton beam radiation? - Thomas Delaney
<b>10:40-11:00</b>	Medication: when can we cure chordoma's with medication? - Hans Gelderblom
<b>11:00-11:20</b>	Discussion - Pancras Hoogendoorn
<b>11:20-11:35</b>	Surgery: when is stand-alone surgery still an option? - Diego Mazzantenta
<b>11:35-11:50</b>	Surgery: when is stand-alone surgery still an option? - Peter Paul Varga
<b>11:50-12:00</b>	Discussion - Sander Dijkstra

<b>Clival chordoma treatment strategies</b>	
<b>12:00-12:30</b>	<p><i>Case 1: 21 year old man with small lesion suspect for chordoma in posterior clinoid process, incidental finding</i></p> <ul style="list-style-type: none"> <li>• presentation case - Wouter van Furth / Radiology - Berit Verbist</li> <li>• multidisciplinary discussion - all faculty, moderation by Wilco Peul</li> <li>• continue case presentation - Wouter van Furth</li> <li>• multidisciplinary discussion - all faculty, moderation by Wilco Peul</li> <li>• conclusional remarks about clival chordoma treatment - Damian Bresson</li> </ul>
<b>12:30-13:45</b>	Lunch and group picture
<b>Cranio-cervical junction chordoma treatment strategies</b>	
<b>13:45-14:30</b>	<p><i>Case 2: 31 year old slim lady with history of anxiety disorder and nasal obstruction and discrete left arm palsy</i></p> <ul style="list-style-type: none"> <li>• presentation case - Willem Pondaag / Radiology - Berit Verbist</li> <li>• multidisciplinary discussion - all faculty, moderation by David Choi</li> <li>• continue case presentation - Willem Pondaag</li> <li>• multidisciplinary discussion - all faculty, moderation by David Choi</li> <li>• radiation options - Rick Haas</li> <li>• conclusional remarks about cranio-cervical chordoma treatment - Damian Bresson</li> </ul>
<b>Lumbar chordoma treatment strategies</b>	
<b>14:30-15:15</b>	<p><i>Case 3: 75 years old male with L5 involvement and soft tissue involvement, without neurological deficit</i></p> <ul style="list-style-type: none"> <li>• presentation case - Sander Dijkstra/ Radiology - Hans Bloem</li> <li>• multidisciplinary discussion - all faculty, moderation by Stefano Boriani</li> <li>• continue case presentation - Sander Dijkstra</li> <li>• multidisciplinary discussion - all faculty, moderation by Stefano Boriani</li> <li>• conclusional remarks about thoracic chordoma</li> </ul>

treatment – Wilco Peul	
<b>15:15-15:45</b>	Break
<b>Sacral chordoma treatment strategies</b>	
<b>15:45-16:30</b>	Case 4: 45 years old female S2-S5 with unilateral involvement and radiating pain. <ul style="list-style-type: none"> <li>• presentation case - Sander Dijkstra/ Radiology - Hans Bloem</li> <li>• multidisciplinary discussion - all faculty, moderation by Peter Paul Varga</li> <li>• continue case presentation - Sander Dijkstra</li> <li>• multidisciplinary discussion - all faculty, moderation by Peter Paul Varga</li> <li>• medical options - Hans Gelderblom</li> <li>• RT options - Thomas Delaney</li> <li>• conclusional remarks– Willem Pondaag</li> </ul>
<b>16:30-17:30</b>	Discussion with participants, identification of critical factors and knowledge gaps - moderation by Carmen Vleggeert & Wouter van Furth
<b>17:30-18:30</b>	Cases presentation by participants and faculty - moderation faculty member rotation
<b>19:00</b>	<b>Course dinner</b>

Tuesday May 15, 2018	
CHONDROSARCOMA	
<b>09:00-09:05</b>	Evaluation forms, program update - Wouter van Furth
General considerations in chondrosarcoma treatment	
<b>09:05-09:30</b>	Pathology: how to discriminate a low from high grade chondrosarcoma? - Judith Bovee
<b>09:30-09:50</b>	Radiology: how to identify high grade preoperatively? - Hans Bloem

<b>09:50-10:00</b>	Discussion - Pancras Hogendoorn
<b>10:00-10:20</b>	Break
<b>10:20-10:40</b>	Radiation: when is radiotherapy indicated? - Ruud Wiggeraad
<b>10:40-11:00</b>	Radiation: better repeated surgery than radiation - Philippe Herman
<b>11:00-11:20</b>	Medication: is there a need for? - Diego Mazzatenta
<b>11:20-11:40</b>	Surgery: there is no place for intralesional excision in axial chondrosarcoma - Sander Dijkstra
<b>11:40-12:00</b>	Discussion - David Choi
<b>Clival chondrosarcoma treatment strategies</b>	
<b>12:00-12:30</b>	<p>Case 5: 55 year old man with a growing lesion in meckel's cave and intermittent abducens palsy</p> <ul style="list-style-type: none"> <li>• presentation case - Wouter van Furth / Radiology - Berit Verbist</li> <li>• multidisciplinary discussion - all faculty, moderation by Philippe Herman</li> <li>• continue case presentation - Wouter van Furth</li> <li>• multidisciplinary discussion - all faculty, moderation by Philippe Herman</li> <li>• conclusional remarks about clival chondrosarcoma treatment - Damian Bresson</li> </ul>
<b>12:30-13:30</b>	Lunch
<b>Cranio-cervical junction chondrosarcoma treatment strategies</b>	
<b>13:30-14:15</b>	<p>Case 6: 55 year old female with very lateral and dorsal tumor, on MRI suspicion of high malignancy grade</p> <ul style="list-style-type: none"> <li>• presentation case - Willem Pondaag / Radiology - Berit Verbist</li> </ul>

	<ul style="list-style-type: none"> <li>• multidisciplinary discussion - all faculty, moderation by Damian Bresson</li> <li>• continue case presentation - Willem Pondaag</li> <li>• multidisciplinary discussion - all faculty, moderation by Damian Bresson</li> <li>• conclusional remarks about cranio-cervical chondrosarcoma treatment - Wilco Peul</li> </ul>
<b>Thoracic chondrosarcoma treatment strategies</b>	
<b>14:15-15:00</b>	<p>Case 7: patient with a nearly complete involvement of thoracic vertebral body, on MRI high grade malignancy</p> <ul style="list-style-type: none"> <li>• presentation case - Sander Dijkstra/ Radiology - Hans Bloem</li> <li>• multidisciplinary discussion - all faculty, moderation by Peter Paul Varga</li> <li>• continue case presentation - Sander Dijkstra</li> <li>• multidisciplinary discussion - all faculty, moderation by Peter Paul Varga</li> <li>• conclusional remarks about thoracic chondrosarcoma treatment - Carmen Vleggeert</li> </ul>
<b>15:00-15:45</b>	Break
<b>Sacral chondrosarcoma treatment strategies</b>	
<b>15:45-16:30</b>	<p>Case 8: patient with a symptomatic sacral mass, on MRI periferal chondrosarcoma</p> <ul style="list-style-type: none"> <li>• presentation case - Sander Dijkstra/ Radiology - Hans Bloem</li> <li>• multidisciplinary discussion - all faculty, moderation by Stefano Boriani</li> <li>• continue case presentation - Sander Dijkstra</li> <li>• multidisciplinary discussion - all faculty, moderation by Stefano Boriani</li> <li>• conclusional remarks about sacral chondrosarcoma treatment - Wilem Pondaag</li> </ul>
<b>16:30-17:30</b>	Discussion with participants, identification of critical factors and knowledge gaps - moderation by Sander Dijkstra & Wouter van Furth
<b>17:30-18:00</b>	Evaluation forms & certificates of attendance & drinks