Appendix 1: survey

Diagnosis and treatment of juvenile osteochondritis dissecans (JOCD)

Section 1 - Demographics

1.What is your current profession?

- o Orthopaedic surgeon
- o Orthopaedic surgeon in training
- o Trauma surgeon
- o Trauma surgeon in training
- Sports physician
- o Sports physician in training
- Other

2. How many years of experience do you have within your current profession?

- o I am currently in residency
- 0-5 years since residency
- o 5-10 years since residency
- o 10-15 years since residency
- o 15-20 years since residency
- 20+ years since residency

3. Approximately how many JOCD lesions do you treat annually, both operatively and non-operatively?

- o **1-10**
- 0 10-20
- 0 20-50
- o 50+

4. Which factor is key to you in classifying osteochondritis dissecans as juvenile?

- o Age
- Skeletal maturity
- o Both

Section 2 - Elbow

5.Do you treat JOCD lesions of the elbow?

- o Yes → question 6
- o No → question 26

6.Approximately how many JOCD lesions of the elbow do you treat annually, both operatively and non-operatively?

- 0 1-5
- o **5-10**
- o 10-15
- o 20+

7. Which of the following aspects during the patient interview makes you suspect a JOCD of the elbow the most? (Choose a maximum of 3 aspects)

☐ History of trauma

 □ Locking complaint □ Instability complaints □ Pain at night □ Pain on radial side of elbow □ Pain on ulnar side of elbow □ Pain only during activities □ Participation in a throwing sport □ Other
8. Which of the following aspects during the physical examination are most important to you, if you suspect a JOCD of the elbow? (Choose a maximum of 3 aspects)
 □ Presence of joint effusion □ Point tenderness on palpation □ Presence of crepitus □ Limited range of motion □ Positive radiocapitellar test □ Other
9.If you suspect a patient of having JOCD of the elbow, which imaging modality or modalities do you usually acquire? (multiple answers may be chosen)
 □ X-ray □ Ultrasound □ CT □ CT-arthrography □ SPECT □ MRI □ MR-arthrography □ Bone scintigraphy □ None □ Other
10.If you selected "X-ray" in the previous question, which of the following views do you usually request?
 □ AP view with elbow in extension □ AP view with elbow in 45° flexion □ Lateral view □ External oblique view □ Internal oblique view □ Radial head view □ Other
11. When you suspect a patient of having JOCD of their elbow do you usually perform imaging of one or both elbows?
One elbowBoth elbows
12. Which classification system do you usually use to grade a JOCD of the elbow?
 Minami classification

o Itsubo classification

o I do not use any classification system

0	Other	
13.How chosen)	13. How do you determine whether a JOCD lesion is stable or unstable? (multiple answers may be chosen)	
	History of patient Physical examination Range of motion of the elbow X-ray CT MRI Arthroscopically Other	
-	ou assess skeletal age during the diagnostic process of a JOCD of the elbow and if so, how do his? (multiple answers may be chosen)	
	No, I do not Yes, through the Tanner stage Yes, through the imaging of the elbow that is already present Yes, through an additional X-ray of the hand	
15.Do yo	ou perform any genetic tests after diagnosing a JOCD of the elbow?	
0 0 0	No, I do not Yes, I perform a SMAD3 mutation test in specific cases Yes, I always perfrom a SMAD3 mutation test Yes, I refer patients to a clinical geneticist in specific cases Yes, I always refer patients to a clinical geneticist Other	
	t is your preferred non-operative treatment plan for JOCD lesions of the elbow? (choose a m of 3 options)	
	Activity restriction/sports restriction Immobilization through bracing Immobilization through casting Injection therapy through corticosteroids Injection therapy through platelet-rich plasma Non-steroidal anti-inflammatory drugs Other	
	what time period of conservative treatment do you usually resort to operative treatment in a ically stable lesion in a boy with a skeletal age of 12 with persistent pain and no changes on uphy?	
0 0 0 0 0 0	0 months 3 months 6 months 9 months 12 months 18 months 1 months 1 usually do not treat a radiologically stable lesion operatively	
0	Other	

	ich type(s) of operative treatment do you use for JOCD lesions of the elbow? (multiple answers e chosen)
	Internal fixation with non-absorbable devices Internal fixation with bioabsorbable devices Bone grafting Drilling with a Kirschner wire Retrograde drilling Debridement Microfracturing Autologous chondrocyte implantation Osteochondral autograft plugs Osteochondral allograft Loose body removal Other
19.Do	you use biologicals in the treatment of JOCD of the elbow and if so, which?
0 0	No Yes, platelet rich plasma (PRP) Yes, bone marrow aspirate concentrate (BMAC) Other
	at are the most important prognostic factors to you in determining the operative technique for a of the elbow? (choose a maximum of 3 options)
	Size of the lesion Stability of the lesion Location of the lesion Lesion of cartilage only vs osteochondral lesion Whether the physis has closed High performing athlete
	at is your preferred treatment for the following patient? (a combination of different techniques e chosen that you would apply together)
side). I unstab	skeletal age 13, plays baseball two times a week and has pain in his right elbow (dominant Newly diagnosed with a primary OCD of 12mm of his capitellum. The lesion is radiologically le (articular cartilage is breached and there is fluid behind the subchondral bone on MRI) but placed.
	Immobilization through casting Non-steroidal anti-inflammatory drugs Injection therapy through corticosteroids Injection therapy through platelet-rich plasma Activity restriction/sports restriction Internal fixation with non-absorbable devices Internal fixation with bioabsorbable devices Bone grafting Antegrade drilling Retrograde drilling Debridement Microfracturing Autologous chondrocyte implantation

	steochondral autograft plugs
	steochondral allograft pose body removal
	ther
22.What is	s your preferred treatment for the following patient? (a combination of different techniques nosen that you would apply together)
side). Diag not help. T	eletal age 11, does gymnastics three times a week and has pain in her right elbow (dominant gnosed with a primary OCD of 12mm of her capitellum six months ago. Sports restriction did The lesion is radiologically stable (articular cartilage is breached and there is a low signal rime fragment on MRI). There are no relevant changes on radiography, when comparing with mages of six months ago.
Im	ctivity restriction/sports restriction nmobilization through bracing nmobilization through casting njection therapy through corticosteroids njection therapy through platelet-rich plasma on-steroidal anti-inflammatory drugs nternal fixation with non-absorbable devices nternal fixation with bioabsorbable devices one grafting ntegrade drilling etrograde drilling etrograde drilling ebridement licrofracturing utologous chondrocyte implantation esteochondral autograft plugs esteochondral allograft cose body removal ther
	imaging modalities do you usually perform during follow-up after operative treatment for the elbow? (multiple answers may be chosen)
U	-ray Itrasound T T-arthrography PECT IRI IR-arthrography one/only when indicated
24.Over welbow?	what time period do you schedule follow-up visits after operative treatment of JOCD of the
23U	year years years years ntil the end of growth ntil end of symptoms

0	Other
-	you record any patient reported outcome measures (PROMs) after treatment for JOCD of the (multiple answers may be chosen)
	Yes, the Mayo Elbow Performance score Yes, the Oxford Elbow score No Other
Section	n 3 - Hip
26.Do	you treat JOCD lesions of the hip?
0	Yes → question 27 No → question 47
27.App operati	proximately how many JOCD lesions of the hip do you treat annually, both operatively and non-vely?
0 0	1-5 5-10 10-15 20+
	ich of the following aspects during the patient interview makes you suspect a JOCD of the hip st? (Choose a maximum of 3 aspects)
	Clicking of the hip History of trauma Instability complaints Joint effusion Limited range of motion Locking of the hip Pain at night Pain during activities Other
	ich of the following aspects during the physical examination are most important to you, if you at a JOCD of the hip? (Choose a maximum of 3 aspects)
	Abnormal gait Limited range of motion Pain on passive mobilisation Positive FADIR test (flexion, adduction, internal rotation) Positive FABER test (flexion, abduction, external rotation) Other
-	ou suspect a patient of having JOCD of the hip, which imaging modality or modalities do you acquire? (multiple answers may be chosen)
	X-ray Ultrasound CT CT-arthrography SPECT

	MRI
	MR-arthrography Bone scintigraphy
	None
	Other
-	u selected "X-ray" in the previous question, which of the following views do you usually (multiple answers may be chosen)
	AP view Axial view
_	Lateral view
	Horizontal beam lateral view
	Dunn view
	Lauenstein view
	Other
32.Whe	en you suspect a patient of having JOCD of their hip do you usually perform imaging of one or os?
0	One hip
0	Both hips
33.Whi	ch classification system do you usally use to grade a JOCD of the hip?
0	Anderson classification
0	Clanton and DeLee classification
0	DiPaola classification
0	Hefti classification Nelson classification
0	I do not use any classification system
0	Other
34.How	do you determine whether a JOCD lesion is stable or unstable? (multiple answers may be
	History of patient
	Physical examination
	Range of motion of the hip
	X-ray
	CT
	MRI Arthroscopically
	Other
-	you assess skeletal age during the diagnostic process of a JOCD of the hip and if so, how do this? (multiple answers may be chosen)
	No, I do not
	Yes, through the Tanner stage
	Yes, through the imaging of the hip that is already present Yes, through an additional X-ray of the hand
36.Do y	ou perform any genetic tests after diagnosing a JOCD of the hip?

o No, I do not

0 0	Yes, I perform a SMAD3 mutation test in specific cases Yes, I always perform a SMAD3 mutation test Yes, I refer patients to a clinical geneticist in specific cases Yes, I always refer patients to a clinical geneticist Other
	t is your preferred non-operative treatment plan for JOCD lesions of the hip? (choose a m of 3 options)
	Activity restriction/sports restriction Immobilization through bracing Immobilization through casting Injection therapy through corticosteroids Injection therapy through platelet-rich plasma Limited weight bearing Non-steroidal anti-inflammatory drugs Other
	what time period of conservative treatment do you usually resort to operative treatment in a ically stable lesion in a boy with a skeletal age of 12 with persistent pain and no changes on aphy?
0 0 0 0 0 0	0 months 3 months 6 months 9 months 12 months 18 months 1 months 1 usually do not treat a radiologically stable lesion operatively Other
	ch type(s) of operative treatment do you use for JOCD lesions of the hip? (multiple answers chosen)
	Internal fixation with non-absorbable devices Internal fixation with bioabsorbable devices Bone grafting Drilling Retrograde drilling Debridement Microfracturing Autologous chondrocyte implantation Osteochondral autograft plugs Osteochondral allograft Loose body removal Intertrochanteric osteotomy Other
-	ou use biologicals in the treatment of JOCD of the hip and if so, which?
0	No Yes, platelet rich plasma (PRP) Yes, bone marrow aspirate concentrate (BMAC) Other

41. What are the most important prognostic factors to you in determining the operative technique for JOCD of the hip? (choose a maximum of 3 options)
 □ Size of the lesion □ Stability of the lesion □ Location of the lesion □ Lesion of cartilage only vs osteochondral lesion □ Whether the physis has closed □ High performing athlete
42. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)
A boy, skeletal age 13, plays football two times a week and has pain in his right groin. Newly diagnosed with a primary OCD lesion of 12mm near the fovea of the right hip. The lesion is radiologically unstable (articular cartilage is breached and there is fluid behind the subchondral bone on MRI) but not displaced.
 □ Activity restriction □ Injection therapy through corticosteroids □ Injection therapy through platelet-rich plasma □ Limited weight bearing □ Internal fixation with non-absorbable devices □ Internal fixation with bioabsorbable devices □ Bone grafting □ Drilling □ Retrograde drilling □ Debridement □ Microfracturing □ Autologous chondrocyte implantation □ Osteochondral autograft plugs □ Osteochondral allograft □ Loose body removal □ Intertrochanteric osteotomy □ Other
43. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)
A girl, skeletal age 11, runs three times a week and has pain in her right groin. Diagnosed with a primary OCD lesion of 12mm near the fovea of the right hip six months ago. Sports restriction did not help. The lesion is radiologically stable (articular cartilage is breached and there is a low signal rim behind the fragment on MRI). There are no relevant changes on radiography, when comparing with the first images of six months ago.
 □ Activity restriction □ Injection therapy through corticosteroids □ Injection therapy through platelet-rich plasma □ Limited weight bearing □ Internal fixation with non-absorbable devices □ Internal fixation with bioabsorbable devices □ Bone grafting □ Antegrade drilling □ Retrograde drilling

	Debridement Microfracturing Autologous chondrocyte implantation Osteochondral autograft plugs Osteochondral allograft Loose body removal Intertrochanteric osteotomy Other ich imaging modalities do you usually perform during follow-up after operative treatment for
	of the hip? (multiple answers may be chosen)
	X-ray Ultrasound CT CT-arthrography SPECT MRI MR-arthrography None/only when indicated Other
45.Ove	er what time period do you schedule follow-up visits after operative treatment of JOCD of the
	1 year 2 years 3 years Until the end of growth Until free of symptoms Other
	you record any patient reported outcome measures (PROMs) after treatment for JOCD of the nultiple answers may be chosen)
	Yes, the HAGOS score Yes, the Harris hip score Yes, the HOOS score Yes, the IHOT33 Yes, the Oxford hip score No Other
Sectio	n 4 - Knee
47.Do	you treat JOCD lesions of the knee?
0	Yes → question 48 No → question 69
	proximately how many JOCD lesions of the knee do you treat annually, both operatively and peratively?
0	1-5 5-10

o 20+	
49. Which of the following aspects during the patient interview makes you suspect a JOCD of the knee the most? (Choose a maximum of 3 aspects)	
 □ Clicking of the knee □ History of trauma □ Instability complaints □ Joint effusion □ Limited range of motion □ Locking of the knee □ Pain at night □ Pain during activities □ Other 	
50. Which of the following aspects during the physical examination are most important to you, if you suspect a JOCD of the knee? (Choose a maximum of 3 aspects)	
 □ Abnormal gait pattern □ Limited range of motion □ Limited stability □ Presence of joint effusion □ Point tenderness on palpation □ Positive Wilson's test □ Presence of crepitus □ Other 	
51.If you suspect a patient of having JOCD of the knee, which imaging modality or modalities do you usually acquire? (multiple answers may be chosen)	
 □ X-ray □ Ultrasound □ CT □ CT-arthrography □ SPECT □ MRI □ MR-arthrography □ Bone scintigraphy □ None □ Other 	
52.If you selected "X-ray" in the previous question, which of the following views do you usually request? (multiple answers may be chosen)	
□ AP view □ Lateral view □ Rosenberg view □ Sunrise view □ Tunnel view □ Whole leg X-ray □ Other	
53. When you suspect a patient of having JOCD, do you usually perform imaging of one or both	

o **10-15**

knees?

o One knee

radiologically stable lesion in a boy with a skeletal age of 12 with persistent pain and no changes on radiography?
 0 months 3 months 6 months 9 months 12 months 18 months 24 months I usually do not treat a radiologically stable lesion operatively Other
60.Which type(s) of operative treatment do you use for JOCD lesions of the knee? (multiple answers may be chosen)
 Antegrade drilling Retrograde drilling Notch drilling Transarticular drilling Internal fixation with non-absorbable devices Internal fixation with bioabsorbable devices Bone grafting Debridement Microfracturing Autologous chondrocyte implantation Osteochondral autograft plugs Osteochondral allograft Loose body removal Other
61.Do you use biologicals in the treatment of JOCD of the knee and if so, which?
 No Yes, platelet rich plasma (PRP) Yes, bone marrow aspirate concentrate (BMAC) Other
62. What are the most important prognostic factors to you in determining the operative technique for a JOCD of the knee? (choose a maximum of 3 options)
 □ Size of the lesion □ Stability of the lesion □ Location of the lesion □ Lesion of cartilage only vs osteochondral lesion □ Whether the physis has closed □ High performing athlete
63. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

59. After what time period of conservative treatment do you usually resort to operative treatment in a

A boy, skeletal age 13, plays football two times a week and has pain in his right knee. Newly diagnosed with a primary OCD lesion of 12mm of his medial femoral condyle on the right side. The

	s radiologically unstable (articular cartilage is breached and there is fluid behind the indral bone on MRI) but not displaced.
	Immobilization through casting
	Immobilization through bracing
	Immobilization through splinting
	Limited weight bearing
	Activity restriction
	Injection therapy through corticosteroids
	Injection therapy through platelet-rich plasma
	Antegrade drilling
	Transarticular drilling
	Retroarticular drilling
	Notch drilling
	Internal fixation with non-absorbable devices
	Internal fixation with bioabsorbable devices
	Bone grafting
	Debridement
	Microfracturing
	Autologous chondrocyte implantation
	Osteochondral autograft plugs
	Osteochondral allograft
	Loose body removal
	Other
may be	at is your preferred treatment for the following patient? (a combination of different techniques chosen that you would apply together)
with a prestriction low sign	skeletal age 11, plays hockey three times a week and has pain in her right knee. Diagnosed brimary OCD lesion of 12mm of her right medial femoral condyle six months ago. Sports ion did not help. The lesion is radiologically stable (articular cartilage is breached and there is a nal rim behind the fragment on MRI). There are no relevant changes on radiography, when ring with the first images of six months ago.
	Immobilization through casting
	Immobilization through bracing
	Immobilization through splinting
	Limited weight bearing
	Activity restriction
	Injection therapy through corticosteroids
	Injection therapy through platelet-rich plasma
	Antegrade drilling
	Transarticular drilling
	Retroarticular drilling
	Notch drilling
	Internal fixation with non-absorbable devices
	Internal fixation with bioabsorbable devices
	Bone grafting
	Debridement
	Microfracturing
	Autologous chondrocyte implantation
	Osteochondral autograft plugs
	Osteochondral allograft
	Loose body removal

□ Other		
65. Which imaging modalities do you usually perform during follow-up after operative treatment for JOCD of the knee? (multiple answers may be chosen)		
 □ X-ray □ Ultrasound □ CT □ CT-arthrography □ SPECT □ MRI □ MR-arthrography □ None/only when indicated □ Other 		
66.Over what time period do you schedule follow-up visits after operative treatment of JOCD of the knee?		
 1 year 2 years 3 years Until the end of growth Other 		
67.Do you record any patient reported outcome measures (PROMs) after treatment for JOCD of the knee? (multiple answers may be chosen)		
 Yes, the IKDC score Yes, the IKDC KIDS Yes, the KOOS score Yes, the PEDIFABS Yes, the Tegner score No Other 		
Section 5 - Ankle		
68.Do you treat JOCD lesions of the ankle?		
 Yes → question 69 No → end 		
69.Approximately how many JOCD lesions of the ankle do you treat annually, both operatively and non-operatively?		
 1-5 5-10 10-15 20+ 		
70. Which of the following aspects during the patient interview makes you suspect a JOCD of the ankle the most? (Choose a maximum of 3 aspects)		
 □ Clicking of the ankle □ History of trauma □ Instability complaints 		

	Joint effusion Limited range of motion Locking of the ankle Pain during activity Pain at night
	Other
	ch of the following aspects during the physical examination are most important to you, if you t a JOCD of the ankle? (Choose a maximum of 3 aspects)
	Ligamentous laxity Limited range of motion Presence of crepitus Presence of joint effusion Point tenderness on palpation Other
	ou suspect a patient of having JOCD of the ankle, which imaging modality or modalities do you acquire? (multiple answers may be chosen)
	X-ray Ultrasound CT CT-arthrography SPECT MRI MR-arthrography Bone scintigraphy None Other
	ou selected "X-ray" in the previous question, which of the following views do you usually t? (multiple answers may be chosen)
	AP view Lateral view Mortise view Heel rise view Horizontal beam lateral view Other
74.Whe	en you suspect a patient of having JOCD, do you usually perform imaging of one or both?
0	One ankle Both ankles
75.Whi	ch classification system do you usually use to grade a JOCD of the ankle?
0 0 0	Berndt and Harty classification DiPaola classification Hefti classification Hepple classification Ferkel and Sgaglione classification

o I do not use any classification system

0	Other
76.How	do you determine whether a JOCD lesion is stable or unstable? (multiple answers may be
	History of patient Physical examination Range of motion of the ankle X-ray CT MRI Arthroscopically Other
77.Do y	you perform any genetic tests after diagnosing a JOCD of the ankle?
0 0 0 0 0	No, I do not Yes, I perform a SMAD3 mutation test in specific cases Yes, I always perform a SMAD3 mutation test Yes, I refer patients to a clinical geneticist in specific cases Yes, I always refer patients to a clinical geneticist Other
	at is your preferred non-operative treatment plan for JOCD lesions of the ankle? (choose a um of 3 options)
	Activity restriction/sports restriction Immobilization through bracing Immobilization through casting Immobilization through splinting Injection therapy through corticosteroids Injection therapy through platelet-rich plasma Limited weight bearing Non-steroidal anti-inflammatory drugs Other
	r what time period of conservative treatment do you usually resort to operative treatment in a gically stable lesion in a boy with a skeletal age of 12 with persistent pain and no changes on aphy?
	0 months 3 months 6 months 9 months 12 months 18 months 18 months 1 usually do not treat a radiologically stable lesion operatively Other
	ch type(s) of operative treatment do you use for JOCD lesions of the ankle? (multiple answers chosen)
	Drilling Internal fixation with non-absorbable devices

	Internal fixation with bioabsorbable devices
	Bone grafting
	Debridement
	Microfracturing
	Autologous chondrocyte implantation
	Osteochondral autograft plugs
	Osteochondral allograft
	Loose body removal
	Other
81.Do	you use biologicals in the treatment of JOCD of the ankle and if so, which?
0	No
0	Yes, platelet rich plasma (PRP)
0	Yes, bone marrow aspirate concentrate (BMAC)
0	Other
	at are the most important prognostic factors to you in determining the operative technique for a of the ankle? (choose a maximum of 3 options)
	Size of the lesion
	Stability of the lesion
	Location of the lesion
	Lesion of cartilage only vs osteochondral lesion
	Whether the physis has closed
	High performing athlete
	at is your preferred treatment for the following patient? (a combination of different techniques e chosen that you would apply together)
diagno radiolo	skeletal age 13, plays football two times a week and has pain in his right ankle. Newly sed with a primary OCD lesion of 12mm of the medial talar dome on the right side. The lesion is gically unstable (articular cartilage is breached and there is fluid behind the subchondral bone I) but not displaced.
	Immobilization through casting
	Immobilization through bracing
	Immobilization through splinting
	Limited weight bearing
	Activity restriction
	Injection therapy through corticosteroids
	Injection therapy through platelet-rich plasma
	Internal fixation with non-absorbable devices
	Internal fixation with bioabsorbable devices
	Drilling
	Bone grafting
	Debridement
	Microfracturing
	Autologous chondrocyte implantation
	Osteochondral autograft plugs
	Osteochondral allograft
	Loose body removal
	Other

84. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

A girl, skeletal age 11, plays hockey three times a week and has pain in her right ankle. Diagnosed with a primary OCD lesion of 12mm of the medial talar dome six months ago. Sports restriction did not help. The lesion is radiologically stable (articular cartilage is breached and there is a low signal rim behind the fragment on MRI). There are no relevant changes on radiography, when comparing with the first images of six months ago.

	Immobilization through casting
	Immobilization through bracing
	Immobilization through splinting
	Limited weight bearing
	Activity restriction
	Injection therapy through corticosteroids
	Injection therapy through platelet-rich plasma
	Internal fixation with non-absorbable devices
	Internal fixation with bioabsorbable devices
	Drilling Page agenting
	Bone grafting
	Debridement
	Microfracturing A table and the involve to
	Autologous chondrocyte implantation
	Osteochondral autograft plugs
	Osteochondral allograft
	Loose body removal
	Other
	ch imaging modalities do you usually perform during follow-up after operative treatment for of the ankle? (multiple answers may be chosen)
	X-ray
	Ultrasound
	CT
	CT-arthrography
	SPECT
	MRI
	MR-arthrography
	None/only when indicated
	Other
86.Ove ankle?	r what time period do you schedule follow-up visits after operative treatment of JOCD of the
0	1 year
0	2 years
0	3 years
0	Until the end of growth
0	Other
•	you record any patient reported outcome measures (PROMs) after treatment for JOCD of the (multiple answers may be chosen)
	Voc. the AOEAS coore
	Yes, the AOFAS score
	Yes, the FAAM score

Yes, the FAOS score
Yes, the KAFS score
No
Other

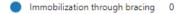
Appendix 2: Case answers

Elbow - case 1

21. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

A boy, skeletal age 13, plays baseball two times a week and has pain in his right elbow (dominant side). Newly diagnosed with a primary OCD of 12mm of his capitellum. The lesion is radiologically unstable (articular cartilage is breached and there is fluid behind the subchondral bone on MRI) but not displaced.

More Details

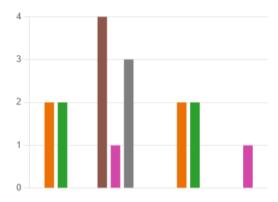


- Immobilization through casting
- Non-steroidal anti-inflammator... 2
- Injection therapy through cortic...
- Injection therapy through platel...
- Activity restriction/sports restric... 4
- Internal fixation with non-absor...
- Internal fixation with bioabsorb... 3
- Bone grafting
- Antegrade drilling

0

0

- Retrograde drilling
- Debridement
- Microfracturing
- Autologous chondrocyte implan... 0
- Osteochondral autograft plugs
- Osteochondral allograft
- Loose body removal
- Other 0



Elbow - case 2

22. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

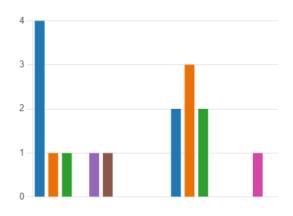
A girl, skeletal age 11, does gymnastics three times a week and has pain in her right elbow (dominant side). Diagnosed with a primary OCD of 12mm of her capitellum six months ago. Sports restriction did not help. The lesion is radiologically stable (articular cartilage is breached and there is a low signal rim behind the fragment on MRI). There are no relevant changes on radiography, when comparing with the first images of six months ago.

More Details

Other



٥



Knee - case 1

63. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

A boy, skeletal age 13, plays football two times a week and has pain in his right knee. Newly diagnosed with a primary OCD lesion of 12mm of his medial femoral condyle on the right side. The lesion is radiologically unstable (articular cartilage is breached and there is fluid behind the subchondral bone on MRI) but not displaced.

18

More Details

	Immobilization through bracing	4
•	Immobilization through splinting	0
•	Limited weight bearing	12
•	Activity restriction	16
•	Injection therapy through cortic	0
•	Injection therapy through platel	2
	Antegrade drilling	2
•	Transarticular drilling	3
	Retroarticular drilling	1

Internal fixation with non-absor... 11

Internal fixation with bioabsorba... 17

Autologous chondrocyte implan... 1 Osteochondral autograft plugs Osteochondral allograft

6

8

3

0

Notch drilling

Bone grafting

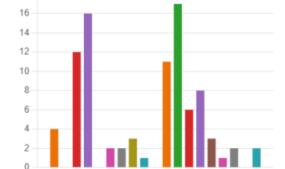
Debridement

Microfracturing

Loose body removal

Other

Immobilization through casting 0



Knee - case 2

64. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

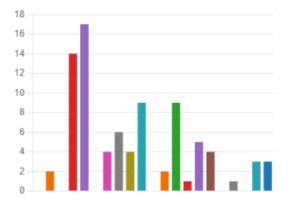
A girl, skeletal age 11, plays hockey three times a week and has pain in her right knee. Diagnosed with a primary OCD lesion of 12mm of her right medial femoral condyle six months ago. Sports restriction did not help. The lesion is radiologically stable (articular cartilage is breached and there is a low signal rim behind the fragment on MRI). There are no relevant changes on radiography, when comparing with the first images of six months ago.

More Details

•	Immobilization through casting	0
•	Immobilization through bracing	2
•	Immobilization through splinting	0
•	Limited weight bearing	14
•	Activity restriction	17
•	Injection therapy through cortic	0
•	Injection therapy through platel	4
	Antegrade drilling	6
•	Transarticular drilling	4
•	Retroarticular drilling	9
•	Notch drilling	0
•	Internal fixation with non-absor	2
•	Internal fixation with bioabsorba	9
•	Bone grafting	1
•	Debridement	5
	Microfracturing	4
•	Autologous chondrocyte implan	0
	Osteochondral autograft plugs	1
	Osteochondral allograft	0

Loose body removal

3



Ankle - case 1

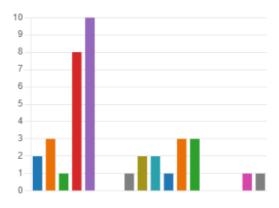
83. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

A boy, skeletal age 13, plays football two times a week and has pain in his right ankle. Newly diagnosed with a primary OCD lesion of 12mm of the medial talar dome on the right side. The lesion is radiologically unstable (articular cartilage is breached and there is fluid behind the subchondral bone on MRI) but not displaced.

More Details

Other





Ankle - case 2

84. What is your preferred treatment for the following patient? (a combination of different techniques may be chosen that you would apply together)

A girl, skeletal age 11, plays hockey three times a week and has pain in her right ankle. Diagnosed with a primary OCD lesion of 12mm of the medial talar dome six months ago. Sports restriction did not help. The lesion is radiologically stable (articular cartilage is breached and there is a low signal rim behind the fragment on MRI). There are no relevant changes on radiography, when comparing with the first images of six months ago.

More Details

	Immobilization through casting	1
•	Immobilization through bracing	2
•	Immobilization through splinting	0
•	Limited weight bearing	3
•	Activity restriction	5
•	Injection therapy through cortic	0
•	Injection therapy through platel	1
•	Internal fixation with non-absor	2
•	Internal fixation with bioabsorba	4
•	Drilling	3
•	Bone grafting	1
•	Debridement	1
•	Microfracturing	3
•	Autologous chondrocyte implan	0
•	Osteochondral autograft plugs	0
	Osteochondral allograft	0
	Osteochonara anografi	
	Loose body removal	3

